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DIV. OF OIL, GAS & MINING

AMENDED REPORT (highlight changes)

FORM 3

001

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	A	APPLICA	TION FOR	PERMIT TO	DRILL		JO-1194-AST	6. SURFACE: State		
1A. TYPE OF WO	rk: DI	RILL 🔽	REENTER [DEEPEN		7. IF I	NDIAN, ALLOTTEE OR T	RIBE NAME:		
B. TYPE OF WE	LL: OIL	GAS 🗹	OTHER	SIN	GLE ZONE MULTIPLE ZOI	NE 1. Z1 I	IIT or CA AGREEMINT N	AME: Utura O Butus		
2. NAME OF OPE	RATOR: TOIL & GA	S COMPA	NY. L.P.				LL NAME and NUMBER: BU 921-34K			
3. ADDRESS OF	OPERATOR:			LIT 04	PHONE NUMBER: 078 781-7060	10. FI	ELD AND POOL, OR WIL			
4. LOCATION OF	WELL (FOOTAGE	CITY VER	INAL ST.	TE UT ZIP 84	39,991862	11. Q	TURAL BUTTE TR/QTR, SECTION, TOW			
AT SURFACE:	2543' FSL	2274' FWI	024 1111	76674	39,991862		ERIDIAN: SW 34 9S	21E		
AT PROPOSED	PRODUCINGZON	NE:	940	144.	-109, 538390					
14. DISTANCE IN	MILES AND DIRE	CTION FROM N	EAREST TOWN OR P	OST OFFICE:		12. C	OUNTY:	13. STATE: UTAH		
16 MILES	SOUTHEA	AST OF O	JRAY, UTAH				NTAH			
	NEAREST PROP	ERTY OR LEAS	E LINE (FEET)	16. NUMBER O	F ACRES IN LEASE:		OF ACRES ASSIGNED	TO THIS WELL:		
2274'	NEAREST WELL	(DRILLING CO	MPLETED, OR	19. PROPOSED	1292.39 DEPTH:		BOND DESCRIPTION:			
APPLIED FOR	R) ON THIS LEASE O TOPO C				9,622	STATE	SURETY RLB	0005236		
	(SHOW WHETHE	R DF, RT, GR, E	TC.):	22. APPROXIM	22. APPROXIMATE DATE WORK WILL START: 23. ES					
5033.2' U	NGRADED	GL				TO BE	DETERMINED			
24.			PROPO	SED CASING A	ND CEMENTING PROGRAM	l				
SIZE OF HOLE	CASING SIZE,	GRADE, AND W	EIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, Q	UANTITY, YIELD,	, AND SLURRY WEIGHT			
12 1/4"	9 5/8"	32.3#	H-40, STC	-40, STC 2,500 PREM CMT		265 S	X 1.18	15.6		
7 7/8"	7 7/8" 4 1/2" 11.6# I-80, LTC		9,622	9,622 PREM LITE II		X 3.38	11.0			
	_				50/50 POZ G	1370 S	X 1.31	14.3		
25.				ATTA	CHMENTS					
VERIFY THE FO	LLOWING AREAT	TACHED IN ACC	ORDANCEWITH THE	UTAH OIL AND GAS C	ONSERVATION GENERAL RULES:					
WELL PL	AT OR MAP PREP	ARED BY LICEN	ISED SURVEYOR OR	ENGINEER	COMPLETE DRILLING PLAN	١				
EVIDENC	CE OF DIVISION O	F WATER RIGH	TS APPROVAL FOR U	SE OF WATER	FORM 5, IF OPERATOR IS F	PERSON OR COM	MPANY OTHER THAN TH	IE LEASE OWNER		
	··									
NAME (PLEASE	_{PRINT} , DEBR	A DOMEN	IICI		TITLE ENVIRONME	ENTAL ASS	SISTANT			
		Daz.	, ^ ~		DATE 3/11/2005					
SIGNATURE 1	serra	VOIL	Mex)	DATE	4.2				
This space for Sta	ite use only)						مطفيية ف	₩. 		
	,		0		# · · · · · · · · · · · · · · · · · · ·	Approve	d by the vision of	<u> </u>		
API NUMBER AS	SIGNED:	t3-047	-363801		APPROVAL:	il, Gas a	ind Mining			
					Date :	05-1	D-005			
(11/2001)				(See Instructi	ons on Reverse Side)	2 - 17 C	MILLION			

T9S, R21E, S.L.B.&M. S89°59'15"W - 2642.28' (Meas.) S89°57'39"W - 2645.77' (Meas.) Set Marked Stone. Marked Stone. Stone, Uintah Uintah County Cap Uintah County Cap County Cap on 5/8" Rebar 07, *3,95,50.00* Stone, Uintah County Cap on 5/8" Rebar Set Marked Stone 2274 NBU #921-34K Elev. Ungraded Ground = 5033' (G.L.O.) 2676.30' VOO"10'54"W N00.00N LOT 4 LOT 3 LOT 2 LOT 1 1977 Brass Cap, 1.3' High, Pile of T9S Stones, Steel Post Brass Cap T10S N8917'E - 2665.74' (G.L.O.) -N89°55'25"W - 2644.85' (Meas.) (NAD 83) LEGEND: LATITUDE = 39.59.30.79" (39.991886) = 90° SYMBOL LONGITUDE = $109^{\circ}32'20.88''$ (109.539133) (NAD 27) = PROPOSED WELL HEAD. LATITUDE = 39'59'30.92" (39.991922) = SECTION CORNERS LOCATED. LONGITUDE = $109^{\circ}32'18.40''$ (109.538444)

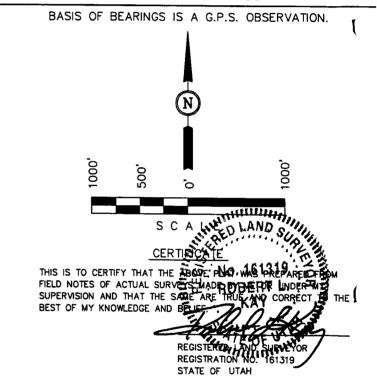
WESTPORT OIL AND GAS COMPANY, L.P.

Well location, NBU #921-34K, located as shown in the NE 1/4 SW 1/4 of Section 34, T9S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

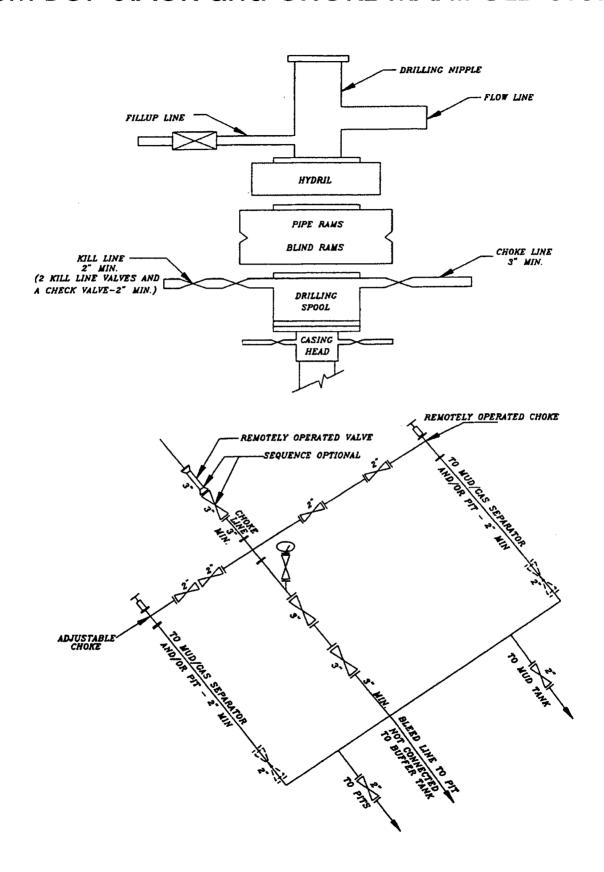
BASIS OF BEARINGS



UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017

SCALE 1" = 1000'	<u> </u>	DATE SURVEYED: 01-12-05	DATE DRAWN: 01-24-05
	P.M	REFERENCES G.L.O. PLA	
WEATHER COLD	FILE WESTPOF	RT OIL AND GAS	COMPANY, L.P.

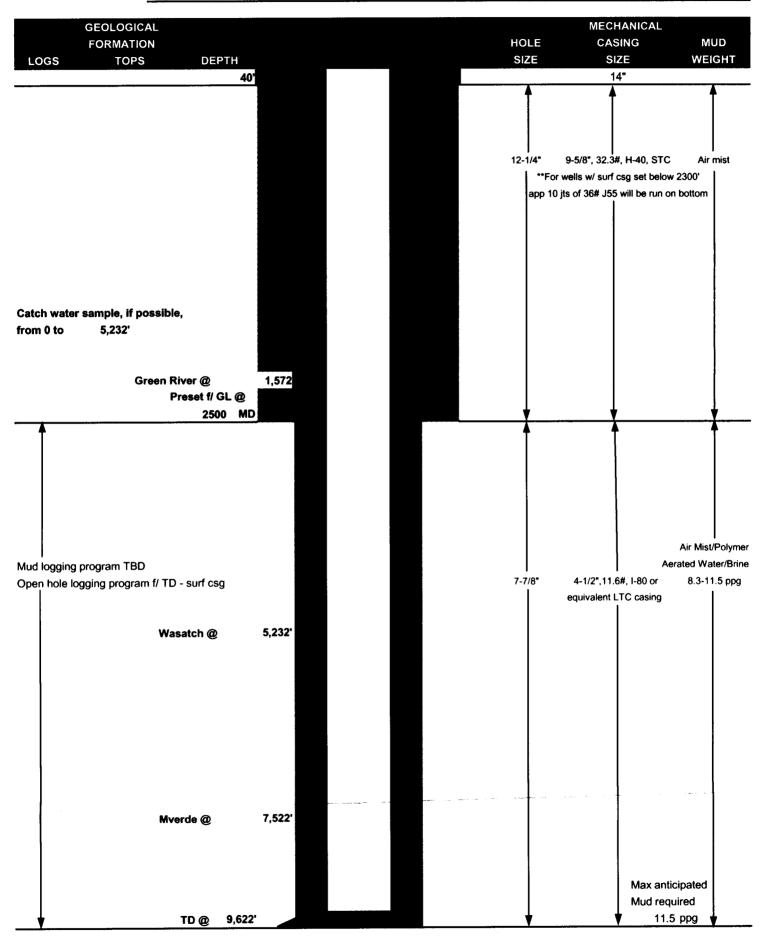
5M BOP STACK and CHOKE MANIFOLD SYSTEM





Westport Oil and Gas Company, L.P. DRILLING PROGRAM

DATE April 21, 2005 Westport Oil and Gas Co., L.P. **COMPANY NAME NBU 921-34K** 9,622' MD/TVD TD WELL NAME **FIELD** Natural Buttes **COUNTY Uintah** STATE Utah **ELEVATION** 5,032' GL KB 5,047' SURFACE LOCATION NESW SECTION 34-T9S-R21E 2543'FSL & 2274'FWL BHL Straight Hole 39.991886 109.539133 Latitude: Longitude: Wasatch/Mesaverde **OBJECTIVE ZONE(S)** Regulatory Agencies: UDOGM (SURF & MINERALS), Tri-County Health Dept. **ADDITIONAL INFO**





Westport Oil and Gas Company, L.P.

DRILLING PROGRAM

CASING PROGRAM

								DESIGN FACTORS				
	SIZE	11	TERV	AL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION		
CONDUCTOR	14"		0-40'					2270	1370	254000		
SURFACE	9-5/8"	0	to	2100	32.30	H-40	STC	3520	1.39 2020	3.59 564000		
	9-5/8"	2100	to	2500	36.00	J-55	STC	7780	1.73 635 0	7.98 201000		
PRODUCTION	4-1/2"	0	to	9622	11.60	I-80	LTC	2.14	1.10	2.06		

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water) (Collapse Assumption: Fully Evacuated Casing, Max MW)

MASP 3637 psi

CEMENT PROGRAM

	ĺ	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt	100		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will circulate water to surface	e, option 2	will be util	ized	
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite	230	35%	11.00	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
		-					
PRODUCTIO	N LEAD	4,732'	Premium Lite II + 3% KCI + 0.25 pps	520	60%	11.00	3.38
			celloflake + 5 pps gilsonlie + 10% gel	1			
			+ 0.5% extender				
	TAIL	4,890'	50/50 Poz/G + 10% salt + 2% gel	1370	60%	14.30	1.31
			+.1% R-3				

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

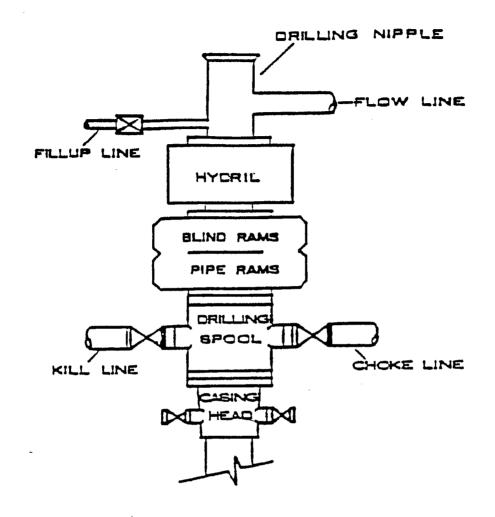
				마이 마음 생각이 있다면 하는 것이다. 마이 마음 생각이 있는 것이다.				
RODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.							
		· .						

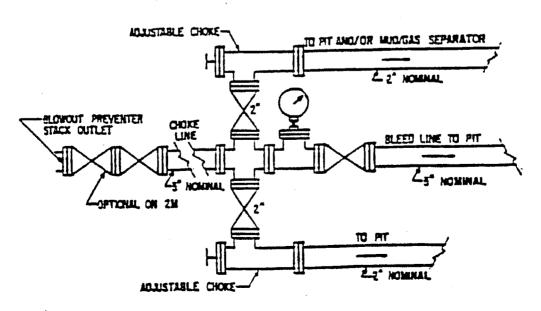
AD

	Test casing head to 750 psi	after installing.	Test surface	casing to 1.50	00 psi prior to	drillina out.			
	BOPE: 11" 5M with one ann						out. Record on	chart recorder &	1
	tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper								
	& lower kelly valves.								
	Drop Totco surveys every 20	00'. Maximum	allowable hol	e angle is 5 d	legrees.				
	•								
	ENCINEED.							DATE:	
ILLING	ENGINEER:							DATE:	
		Brad Lan							

^{*}Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

EOP STACK





NBU #921-34K NESW Sec. 34, T9S-R21E Uintah County, UT STUO-1194-AST

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. <u>Existing Roads</u>:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Approximately 50' of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities will be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities & Pipelines

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes

will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 4570' of high pressure and 950' of low pressure up to 8" pipeline is proposed. The pipeline will be butt-welded together. Refer to Topo D for the proposed pipeline.

5. <u>Location and Type of Water Supply:</u>

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 16 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. Ancillary Facilities:

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA 675 East 500 South, Suite 500 Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when it is received by our office.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. <u>Lessee's or Operators's Representative & Certification</u>:

Debra Domenici Environmental Assistant Westport O&G Co. 1368 South 1200 East Vernal, UT 84078 (435) 781-7060 Randy Bayne Drilling Operations Manager Westport O&G Co. 1368 South 1200 East Vernal, UT 84078 (435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Westport O&G Co. is considered to be the operator of the subject well. Westport O&G Co. agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005236.

NBU	#921	-34K
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Surface Use & Operations Plan

Page 6

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Delm Tomerici

3/11/05

Date

NBU #921-34K NESW SECTION 34-T9S-R21E UINTAH COUNTY, UTAH LEASE NUMBER: STUO-1194-AST

ONSHORE ORDER NO. 1 WESTPORT OIL & GAS COMPANY

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	1572'
Wasatch	5232'
Mesa Verde	7522'
Total Depth	9622'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Substance	<u>Formation</u>	<u>Depth</u>
	Green River	1572'
Gas	Wasatch	5232'
	Mesa Verde	7522'
Water	N/A	
Other Minerals	N/A	

3. <u>Pressure Control Equipment:</u>

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. <u>Drilling Fluids Program:</u>

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure at 9622' TD approximately equals 3848.8 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1731.96 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates & Notification of Operations:

Please refer to the attached Drilling Program.

9. <u>Variances</u>:

Please refer to the attached Drilling Program.

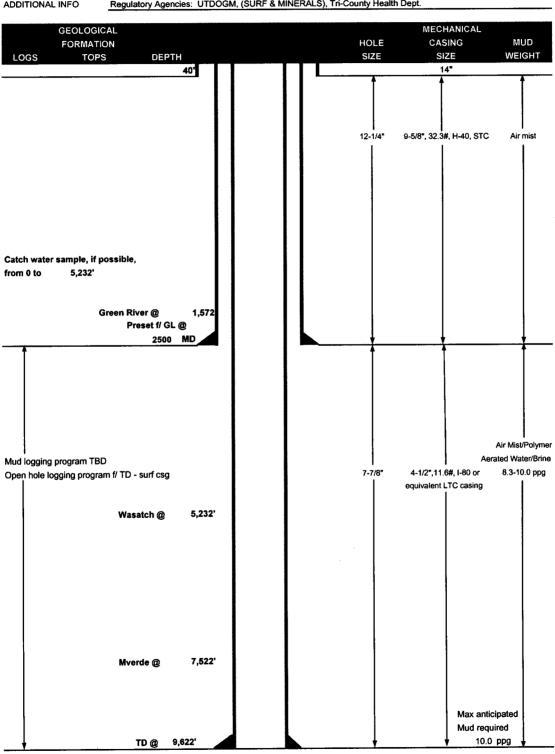
10. Other Information:

Please refer to the attached Drilling Program.



Westport Oil and Gas Company, L.P. DRILLING PROGRAM

COMPAN	Y NAME	Westport Oil a	ind Gas Co., L.	P	DATE	March 1,	2005	005			
WELL NA	ME	NBU 921-3	4K		TD	9,622	MD/TVD				_
FIELD	LOVE		COUNTY Uir	ntah STA	ATE Utah	ELEVATION	5,032'	GL	KB	5,047'	
SURFAC	E LOCATION	NESW SEC	TION 34-T9S-	R21E 2543'F	SL & 2274'FWL				BHL	Straight Hole	
		Latitude:	39.991922	Longitude:	109.538444			_			
OBJECT	IVE ZONE(S)	Wasatch/M	esaverde								
ADDITIO	NAL INFO	Regulatory	Agencies: UT	DOGM, (SUR	& MINERALS),	Tri-County Hea	ilth Dept.				





CASING PROGRAM

								Į.	ESIGN FACTO	DRS	
	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION		
CONDUCTOR	14"		0-40'					2270	1370	254000	
SURFACE	9-5/8"	0	to	2500	32.30	H-40	STC	0.79****** 7780	1.17 6350	3.59 201000	
PRODUCTION	4-1/2"	0	to	9622	11.60	I-80	LTC	2.70	1.27	2.06	

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD =

10.0 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP :

2887 psi

Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft.

CEMENT PROGRAM

			010//0	= 10=00	MEIOUT	VIELD
	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1		+ .25 pps flocele				
TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
		+ 2% CaCl + .25 pps flocele				
TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to s	urface, op	tion 2 will b	e utilized	
Option 2 LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
		+.25 pps Flocele + 3% salt BWOC				
TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
		+ .25 pps flocele				
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
	·					
PRODUCTION LEAD	4,732'	Premium Lite II + 3% KCI + 0.25 pps	520	60%	11.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender	İ			
TAIL	4,890'	50/50 Poz/G + 10% salt + 2% gel	1370	60%	14.30	1.31
	·	+.1% R-3				

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.	
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.	

ADDITIONAL INFORMATION

	BOPE: 11" 3M with one and	ular and 2 rams. Test	to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder &
	tour sheet. Function test rai	ns on each trip. Mainta	in safety valve & inside BOP on rig floor at all times. Kelly to be equipped with up
	& lower kelly valves.		
	Drop Totco surveys every 2	000'. Maximum allowat	ole hole angle is 5 degrees.
.ING	ENGINEER:		DATE:
ING	ENGINEER:	Brad Laney	
	ENGINEER: SUPERINTENDENT:		

^{*}Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-34K SECTION 34, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST: TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATLEY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATLEY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST: TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATLEY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATLEY 50' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 47.0 MILES.

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-34K

LOCATED IN UINTAH COUNTY, UTAH SECTION 34, T9S, R21E, S.L.B.&M.

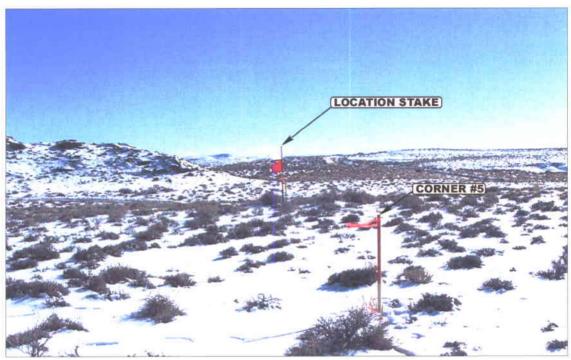


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

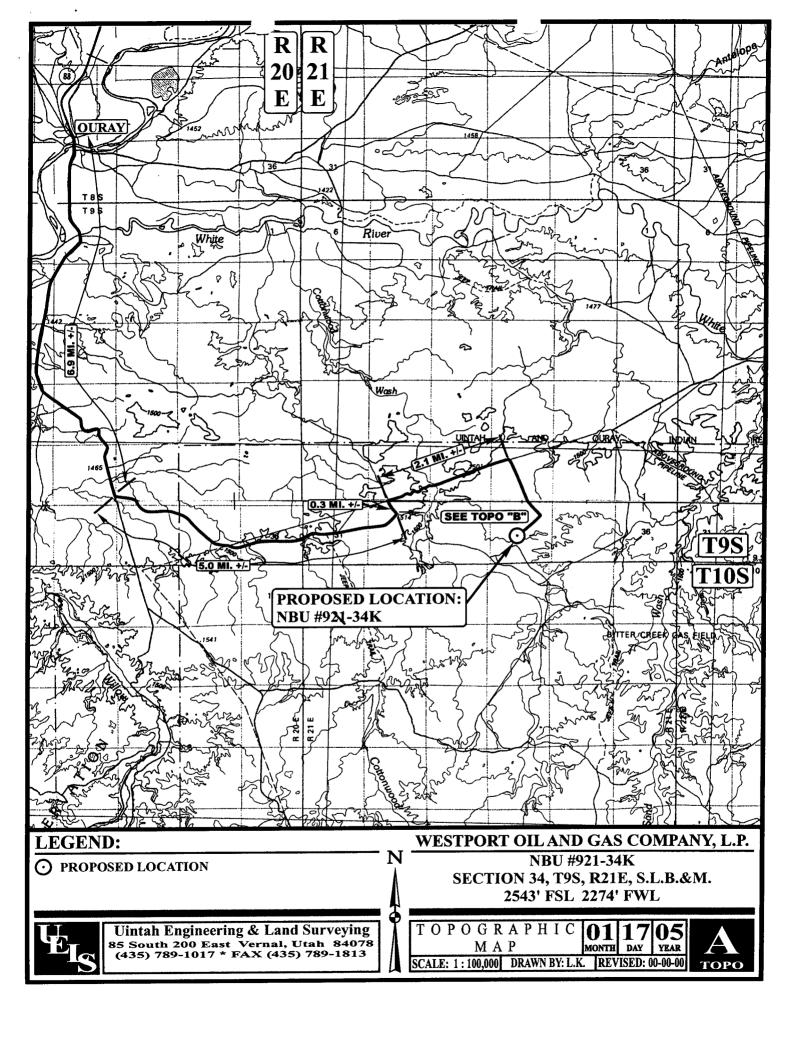


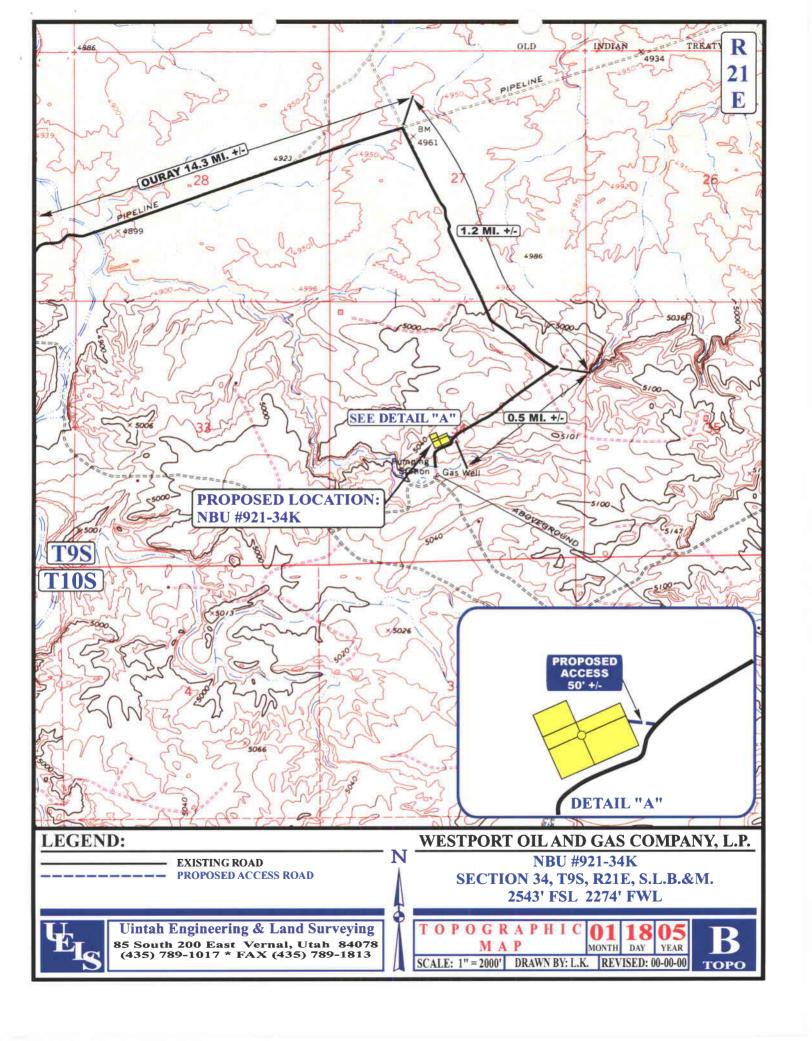
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

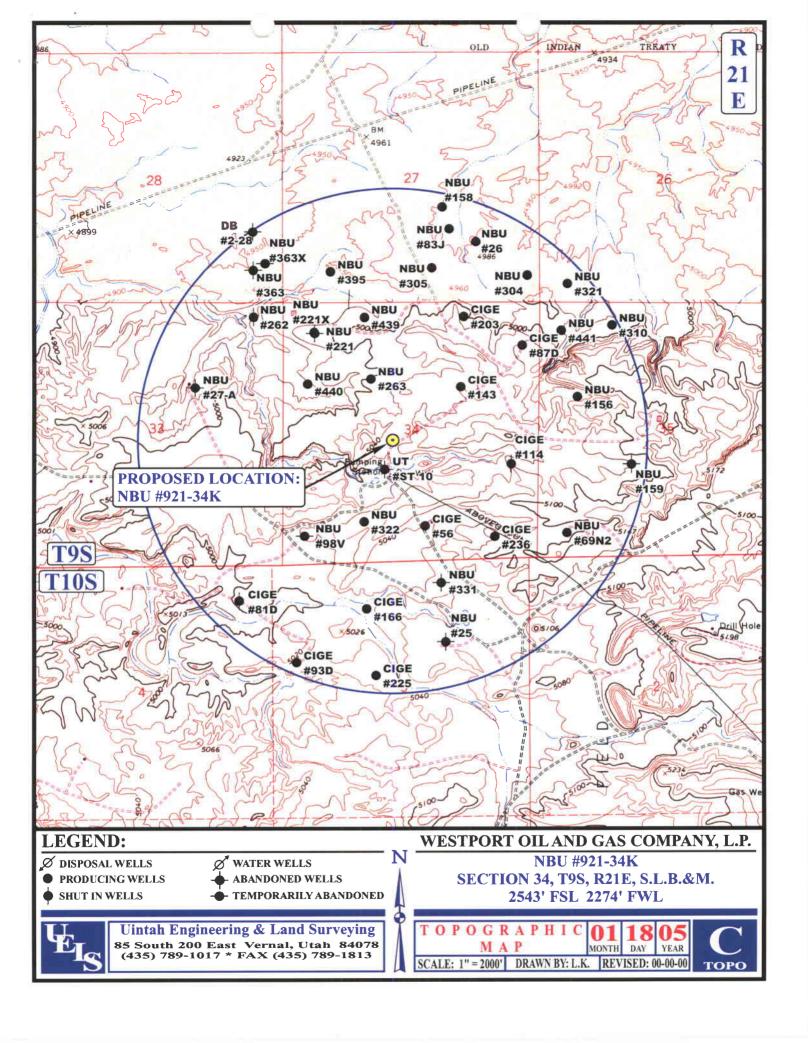
CAMERA ANGLE: NORTHWESTERLY

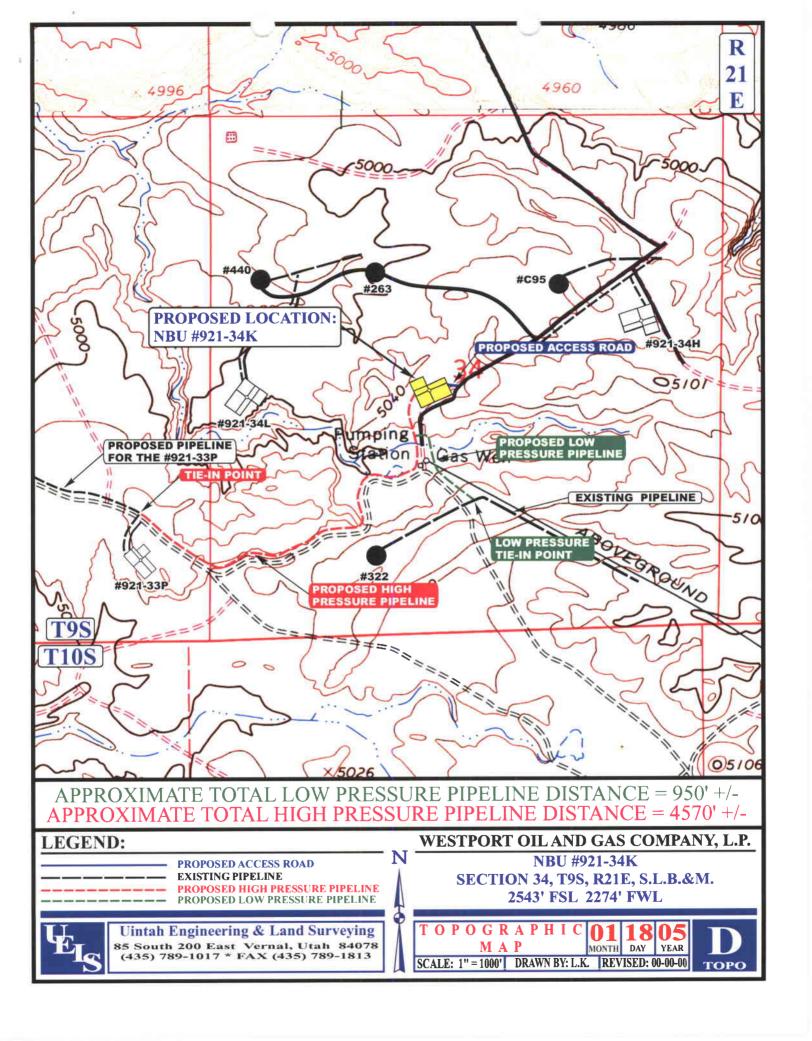


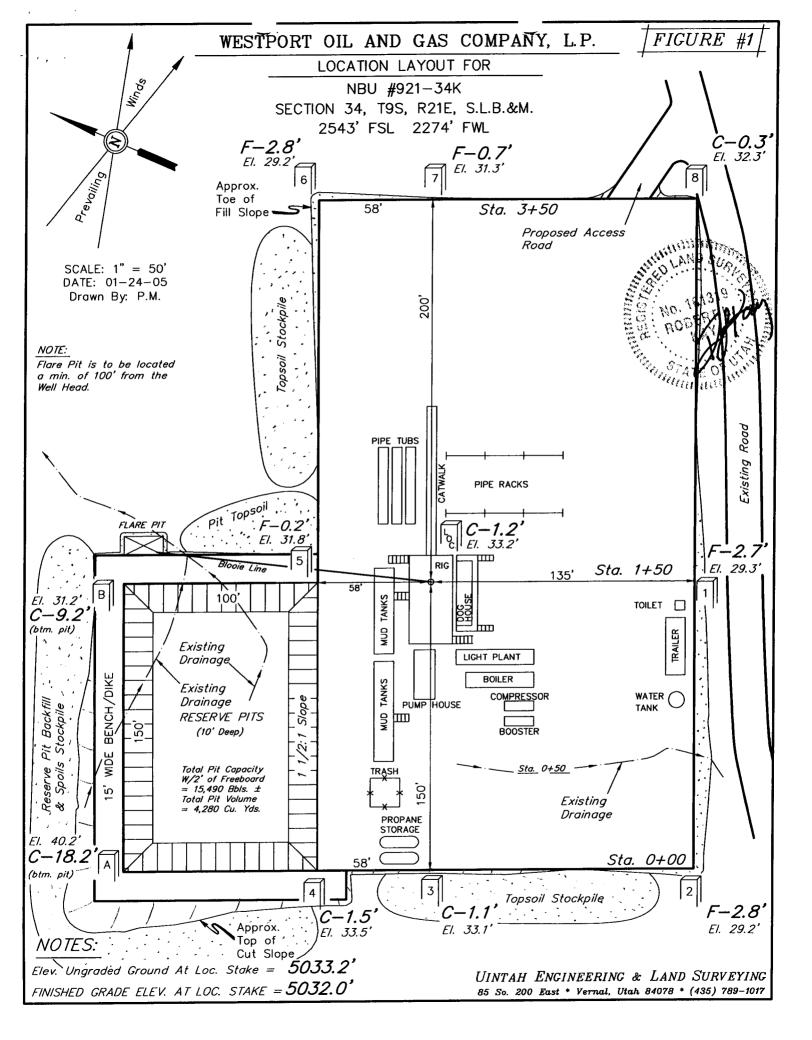


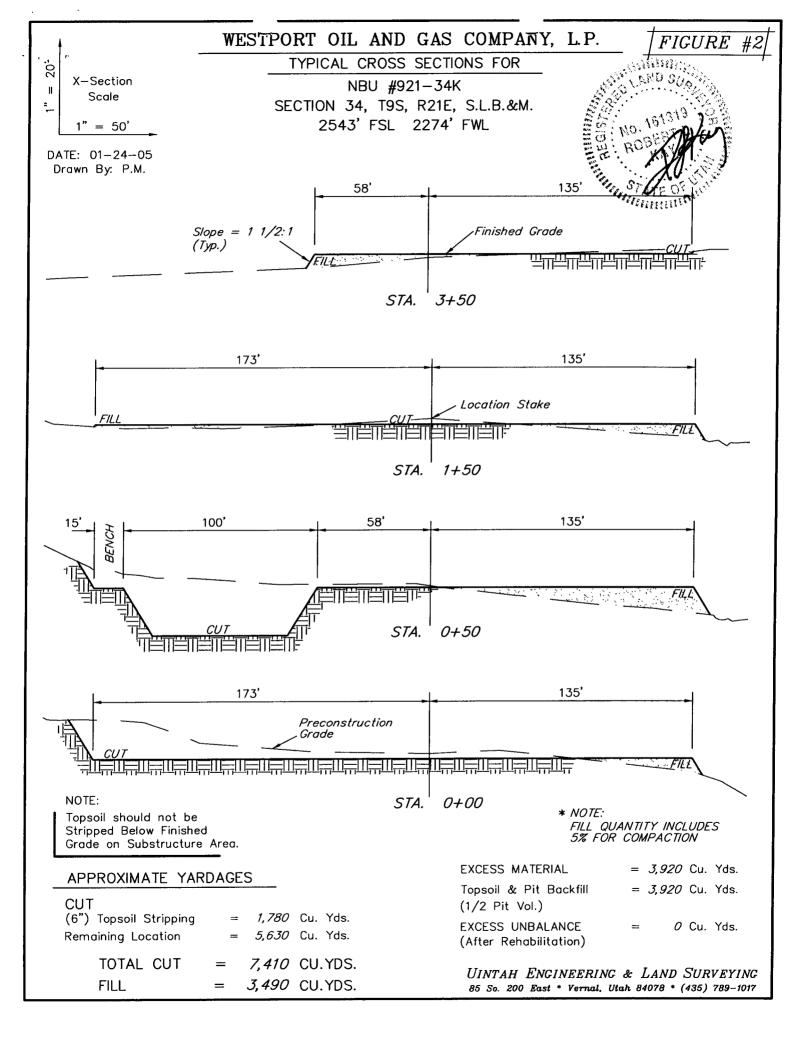




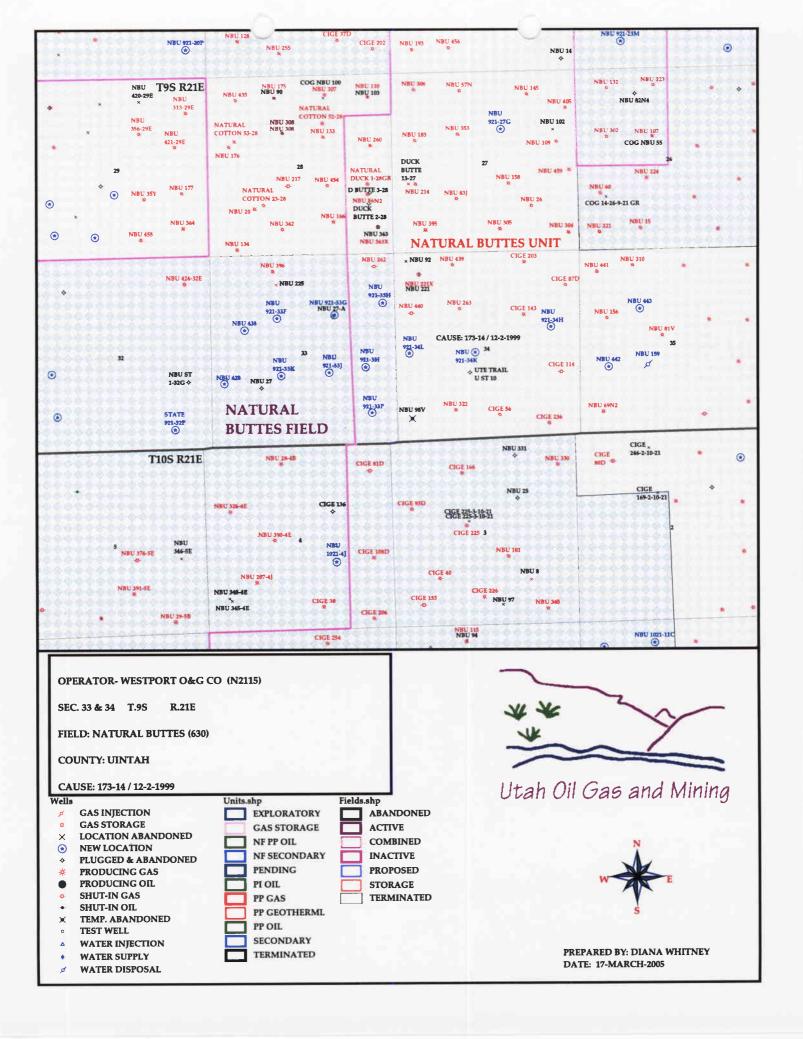








0.00	ORKSHEET FOR PERMIT TO DRILL
APD RECEIVED: 03/15/2005	API NO. ASSIGNED: 43-047-36389
WELL NAME: NBU 921-34K OPERATOR: WESTPORT OIL & GAS CO (N2: CONTACT: DEBRA DOMENICI	PHONE NUMBER: 435-781-7060
PROPOSED LOCATION: NESW 34 090S 210E	INSPECT LOCATN BY: / /
SURFACE: 2543 FSL 2274 FWL BOTTOM: 2543 FSL 2274 FWL	Tech Review Initials Date
UINTAH	Engineering 040 49/05
NATURAL BUTTES (630)	Geology
LEASE TYPE: 3 - State LEASE NUMBER: STUO-1194-AST	Surface
SURFACE OWNER: 3 - State PROPOSED FORMATION: WSMVD COALBED METHANE WELL? NO	LATITUDE: 39.99186 LONGITUDE: -109.5384
Plat Plat Bond: Fed[] Ind[] Sta[] Fee[] (No. RLB0005236) Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190 Water Permit (No. 43-8496) RDCC Review (Y/N) (Date:) Fee Surf Agreement (Y/N)	LOCATION AND SITING: R649-2-3. Unit NATURAL BUTTES R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells R649-3-3. Exception Drilling Unit Board Cause No: 173-14 Eff Date: 12-2-1949 Siting: 410' fr u bdry g uncumm. Tree R649-3-11. Directional Drill
COMMENTS: Need	5 Previte (3/30/05 D).
STIPULATIONS: 0, Shalf Z- STATEMENT	OF BASIS



ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: WESPORT OIL AND GAS COMPANY, L.P.

WELL NAME & NUMBER: NBU 921-34K

API NUMBER:43-047-36389

LEASE: STUO-1194-AST FIELD/UNIT: Natural Buttes

LOCATION: 1/4,1/4 SENW Sec: 34 TWP: 9S RNG: 21E 2274' FWL 2543' FSL LEGAL WELL SITING: 460 from the unit boundary or uncommitted tracts.

GPS COORD (UTM): GPS not working SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

Dan J. Jarvis (DOGM), DEBRA DOMENICI (WESTPORT). Robert KAY (UELS).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

The regional setting is generally badlands type topography. Flat mesas with deep cut washes and draws are the predominate features. This site is an area of low rolling hills and shallow draws. No major drainages are in the immediate area of the location. Ouray Utah is approximately 17 miles to the northwest of the location. Cottonwood wash is the major drainage in the area and is approximately 1 mile away. Cottonwood wash is a dry watercourse for most of the year.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife and livestock grazeing and sport hunting.

PROPOSED SURFACE DISTURBANCE: <u>location</u> will be <u>350'by 293'</u>. Approximately 50 feet of new access road will be built.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS Database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and constructed after drilling the well. The pipeline will follow the access road.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be borrowed from site during the construction of the location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? (EXPLAIN): UNLIKELY.

WASTE MANAGEMENT PLAN:

Drilled cuttings will be allowed to settle to the bottom of the reserve pit. Liquids from the pit will be allowed to evaporate. Formation water will be confined to storage tanks. Sewage facilities, storage and

general waste disposal will be handled by a commercial contactor. Trash will be contained in trash baskets and hauled to an approved landfill.

ENVIRONMENTAL PARAMETERS

AFFECTED	FLOODPLAINS	AND/OR	WETLANDS:	None		

FLORA/FAUNA: Sagebrush, Shad scale, Prickly Pear, Cheat Grass, Antelope, Coyotes, Songbirds, Raptors, Rodents, Rabbits.

SOIL TYPE AND CHARACTERISTICS: Light brown sandy clay.
SURFACE FORMATION AND CHARACTERISTICS: Uinta formation consisting of shales and sandstones. There are no ledges or outcrops on this location, the surface formation in very close to the surace, the pit will most likely be built in rock.

EROSION/SEDIMENTATION/STABILITY: Very little natural erosion. Sedimentation and stability are not a problem. Construction of the location will not increase any erosion problems.

PALEONTOLOGICAL POTENTIAL: None observed

RESERVE PIT

CHARACTERISTICS: 100' BY 150' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A plastic liner will be required based on the ranking form, Westport will line the pit with felt and a 20 mil liner as per company policy.

SURFACE RESTORATION/RECLAMATION PLAN

SURFACE AGREEMENT: As per SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: The site has been surveyed by an archeological consulting firm. No archeological sites were found. A report of this investigation will be placed on file.

OTHER OBSERVATIONS/COMMENTS

As per SITLA.

This presite was conducted on a partly cloudy day with a light breeze. The ground was clear of all snow cover.

ATTACHMENTS

Photo taken and placed in file.

Dan Jarvis
DOGM REPRESENTATIVE

4/5/2005 DATE/TIME

Eväluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200 75 to 100	5 10	
25 to 75	15	
<25 or recharge area	20	5
Distance to Surf. Water (feet) >1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200 < 100	15 20	0
	20	
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	0
<500	20	0
Distance to Other Wells (feet)	_	
>1320	0	
300 to 1320 <300	10 20	0
1300	20	
Native Soil Type		
Low permeability Mod. permeability	0 10	
High permeability	20	10
	20	
Fluid Type Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of	20	E
hazardous constituents	20	5
Drill Cuttings	•	
Normal Rock Salt or detrimental	0 10	0
Sait of detrimental	10	
Annual Precipitation (inches)	0	
<10 10 to 20	0 5	
>20	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10 15	^
Present	15	0

Final Score 20 (Level III Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.

DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	WESTP0	ORT OIL AND GAS COMPANY, L.P.
WELL NAME & NUMBER	:NBU 921	-34K
API NUMBER:	43-047-3	6389
LOCATION: 1/4,1/4 <u>NE/SV</u>	/_Sec:_ <u>34</u> TWP:_	9S RNG: 21E 2274' FWL 2543' FSL
Geology/Ground Water:		
Westport proposes to set 2,50	0' of surface cas	ing at this location. The depth to the base of the moderately
saline water at this location is	estimated to be a	at a depth of 3,400'. A search of Division of Water Rights records
shows no water wells within a	10,000 foot radi	ius of the center of Section 34. The surface formation at this site
is the Uinta Formation. The l	Jinta Formation	is made up of interbedded shales and sandstones. The sandstones
are mostly lenticular and disco	ntinuous and sho	ould not be a significant source of useable ground water.
Reviewer:	Dan Jarvis	Date: <u>4/5/2005</u>
Surface:		
The predrill investigation of t	ne surface was pe	erformed on 4/30/2005. Floyd Bartlett with DWR and Ed Bonner
with SITLA were invited to thi	s investigation of	n 3/22/05. Neither agency were in attendance. This site is on State
surface with State minerals. T	his site appears	to be the best site for a location in the immediate area
Reviewer: <u>Da</u>	n Jarvis	Date: 4/5/2005

Conditions of Approval/Application for Permit to Drill:

- 1. A synthetic liner with a minimum thickness of 20 mils and a felt subliner shall be properly installed and maintained in the reserve pit.
- 2. The entire pad shall be bermed to prevent any fluids from leaving the location.



From:

Ed Bonner

To:

Whitney, Diana 4/6/2005 4:10:32 PM

Date: Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas Company

NBU 921-33F

NBU 921-33G

NBU 921-33I

NBU 921-33J

NBU 921-33K

NBU 921-33P

NBU 921-34H

NBU 921-34K

NBU 921-34L

NBU 1022-12I

NBU 1022-12P

State 1021-36A

State 1021-36B

State 1021-36G

State 1021-36H

State 1021-36I

State 1021-36J

State 1021-36O

State 1021-36P

If you have any questions regarding this matter please give me a call.

CC: Garrison, LaVonne; Hill, Brad; Hunt, Gil Westport APD(s)

Clinton Dworshak - Westport APD(s)

From:

"Upchego, Sheila" <SUpchego@kmg.com>

To:

<clintondworshak@utah.gov>

Date:

4/21/2005 4:27 PM

Subject: Westport APD(s)

Hi Clint, attached are the revised Downhole diagrams for the following well locations:

NBU 921-33F, 921-33G, 921-33I, 921-33J, 921-33K, 921-33P, 921-33O, 921-33N;

NBU 921-34H, 921-34K, 921-34L;

NBU 922-36B

If you have any questions please feel free to contact me at (435) 781-7024 or Brad Laney at (435) 781-7031.

Sheila Upchego <<NBU921-33F_APD(pipeline).xls>> <<NBU921-33G_APD(pipeline).xls>> <<NBU921-33J_APD(pipeline).xls>> <<NBU921-33J_APD(pipeline).xls>> <<NBU921-33J_APD(pipeline).xls>> <<NBU921-33H_APD(pipeline).xls>> <<NBU921-34H_APD(pipeline).xls>> <<NBU921-34K_APD(pipeline).xls>> <<NBU921-34L_APD(pipeline).xls>> <<NBU921-33O_APD (pipeline).xls>> <<NBU921-33N_APD(pipeline).xls>> <<NBU922-36B_DHD_APD.xls>>

Important Notice!!

If you are not the intended recipient of this e-mail message, any use, distribution or copying of the message is prohibited. Please let me know immediately by return e-mail if you have received this message by mistake,

then delete the e-mail message.

Thank you.

Well name:

Location:

Collapse

Westport Oil & Gas Operator:

String type:

Design is based on evacuated pipe.

Surface

Uintah County

04-05 Westport NBU 921-34K

Project ID:

43-047-36389

Minimum design factors:

Collapse:

Design factor

1.125

Environment: H2S considered?

Surface temperature:

No 75 °F 110 °F

Bottom hole temperature: Temperature gradient:

1.40 °F/100ft

Minimum section length: 1,500 ft

Burst:

Design factor

1.00

1.80 (J)

1.80 (J) 1.60 (J) Cement top:

780 ft

Burst

Max anticipated surface

pressure: Internal gradient:

Design parameters:

Mud weight:

2,200 psi 0.120 psi/ft

8.400 ppg

Calculated BHP 2,500 psi

No backup mud specified.

Tension:

8 Round STC: 8 Round LTC: **Buttress:**

1.50 (J) Premium: Body yield: 1.50 (B)

Tension is based on buoyed weight. Neutral point: 2.218 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,622 ft Next mud weight: 10.000 ppg Next setting BHP: 4.998 psi

Fracture mud wt: 19.250 ppg 2,500 ft Fracture depth: Injection pressure 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
2	2100	9.625	32.30	H-40	ST&C	2100	2100	8.876	133.1
1	400	9.625	36.00	J-55	ST&C	2500	2500	8.796	28.5
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2	916	1368	1.492	2452	2270	0.93	72	254	3.52 J
1	1091	2020	1.852	2500	3520	1.41	4	394	92.95 J

Prepared

by:

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: April 25,2005 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

Location:

Operator:

Westport Oil & Gas

String type:

Production

Uintah County

04-05 Westport NBU 921-34K

Minimum design factors:

Project ID:

43-047-36389

Design parameters:

Collapse Mud weight:

10.000 ppg Design is based on evacuated pipe.

Collapse: Design factor

1.125

Environment:

H2S considered?

No 75 °F

Surface temperature: Bottom hole temperature: 210 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length: 1,500 ft

Burst:

Design factor

1.00

Cement top:

Surface

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient:

1,752 psi 0.337 psi/ft

Calculated BHP

4,998 psi

Tension: 8 Round STC:

8 Round LTC: **Buttress:**

Premium: Body yield: 1.60 (J) 1.50 (J) 1.50 (B)

1.80 (J)

1.80 (J)

Tension is based on buoyed weight. Neutral point: 8,184 ft

Non-directional string.

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	9622	4.5	11.60	M-80	LT&C	9622	9622	3.875	223
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (Kips)	Strength (Kips)	Design Factor
1	4998	6350	1.270	4998	7780	1.56	95	267	2.81 B

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining by:

Phone: 801-538-5280

FAX: 801-359-3940

Date: April 25,2005 Salt Lake City, Utah

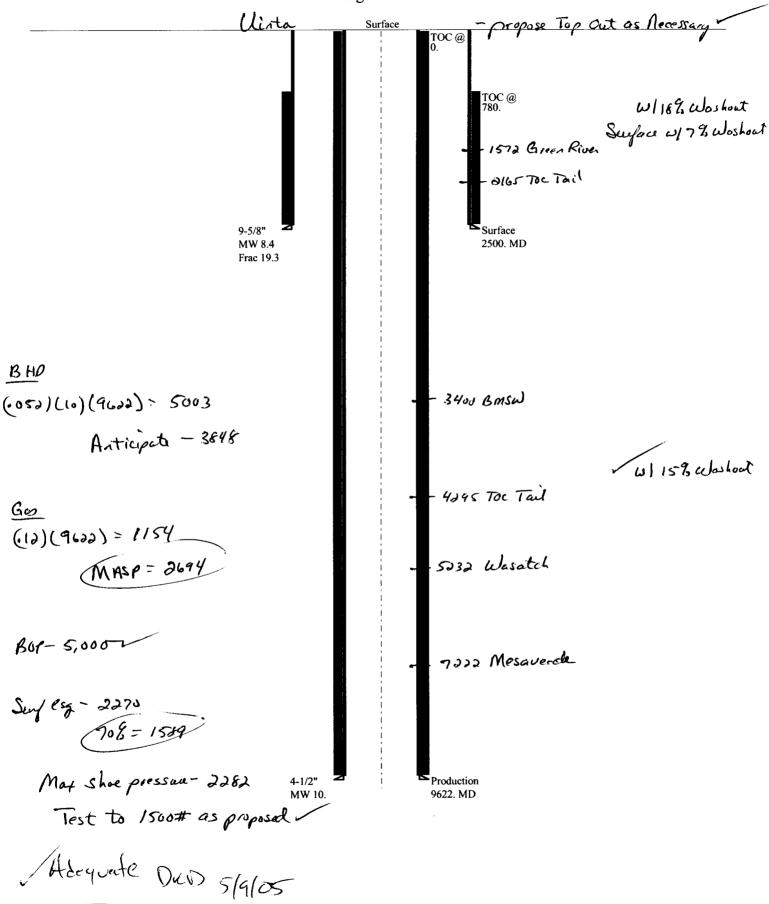
Remarks:

Collapse is based on a vertical depth of 9622 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

04-05 Westport NBU 921-ہــK

Casing Schematic



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

March 18, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 Plan of Development Natural Buttes Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Natural Buttes Unit, Uintah County, Utah.

API # WELL NAME LOCATION

(Proposed PZ Mesaverde)

43-047-36388 NBU 921-34L Sec 34 T09S R21E 2586 FSL 0379 FWL 43-047-36389 NBU 921-34K Sec 34 T09S R21E 2543 FSL 2274 FWL 43-047-36390 NBU 921-34H Sec 34 T09S R21E 2163 FNL 0839 FEL 43-047-36391 NBU 921-33F Sec 33 T09S R21E 1797 FNL 1844 FWL 43-047-36392 NBU 921-33G Sec 33 T09S R21E 1713 FNL 1754 FEL 43-047-36393 NBU 921-33I Sec 33 T09S R21E 2240 FSL 0878 FEL 43-047-36394 NBU 921-33J Sec 33 T09S R21E 2113 FSL 1951 FEL 43-047-36395 NBU 921-33K Sec 33 T09S R21E 2066 FSL 1926 FWL 43-047-36396 NBU 921-33P Sec 33 T09S R21E 0885 FSL 0719 FEL 43-047-36397 NBU 922-36C Sec 36 T09S R22E 0720 FNL 1768 FWL 43-047-36398 NBU 922-36G Sec 36 T09S R22E 2471 FNL 2464 FEL 43-047-36399 NBU 922-36H Sec 36 T09S R22E 2546 FNL 1059 FEL 43-047-36400 NBU 922-36N Sec 36 T09S R22E 0059 FSL 2066 FWL 43-047-36401 NBU 922-360 Sec 36 T09S R22E 1202 FSL 2116 FEL 43-047-36402 NBU 1022-12I Sec 12 T10S R22E 2297 FSL 1046 FEL 43-047-36403 NBU 1022-12P Sec 12 T10S R22E 1083 FSL 0462 FEL

This office has no objection to permitting the wells at this time.



Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

May 10, 2005

Westport Oil & Gas Company, LP 1368 South 1200 East Vernal, Utah 84078

Re:

Natural Buttes Unit 921-34K Well, 2543' FSL, 2274' FWL, NE SW, Sec. 34,

T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36389.

Sincerely,

Gil Hunt

Acting Associate Director

SilHunt

pab Enclosures

cc:

Uintah County Assessor

SITLA

Bureau of Land Management, Vernal District Office

Operator:	Westport Oil & Gas Company, LP	
Well Name & Number	Natural Buttes Unit 921-34K	
API Number:	43-047-36389	
Lease:	STUO-1194-AST	

Location: NE SW Sec. 34 T. 9 South R. 21 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 API #43-047-36389 May 10, 2005

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office 170 South 500 East Vernal, Utah 84078-2799

Phone: (801) 781-4400 Fax: (801) 781-4410

IN REPLY REFER TO: 3160 UT08300

July 11, 2005

Westport Oil & Gas Company ATTN: Debra Domenici P.O. Box 1148 Vernal, Utah 84078

> RE: Application for Permit to Drill Well No.: NBU 921-34K NESW, Sec. 34, T9S, R21E Natural Buttes Unit API No. 43-047-36389

Dear Ms. Domenici:

Enclosed is your copy for the above referenced APD that we accepted for "Unit Purposes Only".

If you have any questions, please contact me at (435) 781-4429.

Sincerely,

Johnetta Magee

Legal Instruments Examiner

Enclosure bcc: Well File

Reading File

Division of Oil-Gas-Mining

RECEIVED
JUL 2 6 2005

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FORM 6

			ENTITY ACTIO	N FORM					
perator:		PestPort (Dil+Gas LP		erator Ac	count N	umber:	3//5 N 2995	
ddress:	1368 5	SOUTH 1200 EAST	T						
-	city VE	ERNAL							
_	state (zip 84078	_	F	hone Nu	ımber:	(435) 781-7024	
									
Vell 1 API Num	her	T ,	Well Name	QQ	Sec	Twp	Rng	County	
43047363		NBU 921-34K	TOU HAILIG	NESW 34 9S				UINTAH	
Action Co	**	Current Entit	y New Entity Number	Spud Date		Entity Assignment Effective Date			
, R		99999		4/26/2006			5/4/2/		
Comments:			<u> </u>		7/20/200	-	<u> </u>	2/4/06	
	SPU	O WELL LOCATION	N ON 04/26/2006 AT 130	0 HRS.					
API Numi	ber	1	Well Name	QQ	Sec	Twp	Rng	County	
Action Co	ode	Current Entity Number	y New Entity Number	Spud Date		Entity Assignment Effective Date			
ell 3									
API Numb	per	v	Vell Name	QQ	Sec	Twp	Rng	County	
		i		Spud Date		Entity Assignment Effective Date			
Action Co	de	Current Entity Number	/ New Entity Number	S	pud Dai	.			
Action Co	de			s	pud Dai	:			
Comments:			Number	SH	EILA UP	CHEGO	E		
Comments: ION CODES: A - Establis B - Add new	h new e	entity for new well (sin	Number ingle well only) ip or unit well)	SHI		CHEGO	E		
Comments: ION CODES: A - Establisi 3 - Add new C - Re-assig	h new e	entity for new well (sind existing entity (groun from one existing entity)	ngle well only) ip or unit well) tity to another existing entity	SHI	EILA UP	CHEGO	E		
Comments: ON CODES: A - Establisi 3 - Add new C - Re-assig D - Re-assig	h new e v well to gn well gn well	entity for new well (sind existing entity (group from one existing entity (group from one existing entity (group entity (group entity (group entity (group entity entity (group entity entity (group entity (group entity	ngle well only) up or unit well) tity to another existing entity tity to a new entity u)	SHI Name	EILA UP	CHEGO	79		
Comments: ION CODES: A - Establisi 3 - Add new C - Re-assig C - Re-assig E - Other (E	h new e v well to gn well gn well xplain	entity for new well (sing existing entity (ground from one existin	Number Ingle well only) In or unit well) Itity to another existing entity Itity to a new entity In or SHELIN UPGHENO	SHI Name	EILA UP	CHEGO	79	Aperizone	
Comments: ION CODES: A - Establisi B - Add new C - Re-assig D - Re-assig	h new e v well to gn well gn well xplain	entity for new well (single entity (group from one existing entity (group from one existing entity entity (group entity) exection (group entity) execution (group entity) e	ngle well only) up or unit well) tity to another existing entity tity to a new entity u)	SHI Naow Elger	EILA UP	CHEGO	79	What are the second of the sec	

APR 2 8 2006

DESCRIPTION OF

RECEIVED

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST
SUNDRY NOTICES AND RI	EPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing drill horizontal laterals. Use APPLICATION FOR PER	wells below current bottom-hole depth, reenter plugged wells, IIT TO DRILL form for such proposals.	
1 TYPE OF WELL OIL WELL GAS WELL 🗹	OTHER	8. WELL NAME and NUMBER: NBU 921-34K
2. NAME OF OPERATOR: KERR MCGEE OIL AND GAS ONSHORE LP		9. API NUMBER: 4304736389
3. ADDRESS OF OPERATOR:	UT 378 84078 PHONE NUMBER: (435) 781-700	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4 LOCATION OF WELL	y in	
FOOTAGES AT SURFACE: 2543' FSL 2274' FWL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 34	9S 21E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO	INDICATE NATURE OF NOTICE, R	EPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate) ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PL	ANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
	PLUG BACK	WATER DISPOSAL
SUBSEQUENT REPORT CHANGE WELL NAME (Submit Original Form Only)	<u>_</u>	☐ WATER SHUT-OFF
Date of work completion:	PRODUCTION (START/RESUME)	
COMMINGLE PRODUCING	FORMATIONS RECLAMATION OF WELL SITE	OTHER: DOGM APD
CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORM	ATION EXTENSION
THE OPERATOR REQUESTS AUTHORIZATION SO THAT THE DRILLING OPERATIONS MAY BOF OIL, GAS & MINING MAY 10, 2005.	N FOR AN ONE YEAR EXTENSION F	FOR THE SUBJECT WELL LOCATION. D WAS APPROVED BY THE DIVISION
NAME (PLEASE PRINT) RAMEY HOOPES SIGNATURE (This space for State use only)	44	1A1 - 2 2006
UNIT PURPOSES ON	m 6	

(See Instructions on Reverse Side) MAY 0 8 2006

147 21 CT (120) 120 pm

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST
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Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or a drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	101101222
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: - NBU 921-34K
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	9. API NUMBER: 4304736389
3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1368 S. 1200 E. CITY VERNAL STATE UT 21P 84078 (435) 781-7024	NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2543'FSL, 2274'FWL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 34 9S 21E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REF	PORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only) CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER: WELL SPUD
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATI	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, vo	
MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 1 W/28 SX READY MIX.	4" 36.7# SCHEDULE 10 PIPE. CMT
ODUD MELL LOCATION ON ONICIONOS AT 1200 LIDS	
SPUD WELL LOCATION ON 04/26/2006 AT 1300 HRS.	
	NV ANALYCT
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATOR	T ANALTOI
SIGNATURE ////////////////////////////////////	
	RECEIVED
(This space for State use only)	RECEIVED

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

	DIVISION OF OIL, GAS AND N	MINING		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST
SUNDRY	Y NOTICES AND REPORT	TS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill a drill horizontal I	new wells, significantly deepen existing wells below on laterals. Use APPLICATION FOR PERMIT TO DRIL	current bottom-hole depth, reent	er plugged wells, or to	7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT
TYPE OF WELL OIL WELL	GAS WELL 🗸 OTHER			8. WELL NAME and NUMBER: NBU 921-34K
2. NAME OF OPERATOR: KERR McGEE OIL & GAS	S ONSHORE LP			9. API NUMBER: 4304736389
3. ADDRESS OF OPERATOR: 1368 S. 1200 E.	TY VERNAL STATE UT		E NUMBER: 5) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2543'				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN: NESW 34 9S	21E		STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICA	ATE NATURE OF N	IOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			F ACTION	
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS	FRACTURE TREAT NEW CONSTRUCT OPERATOR CHANC	ION	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR
SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATION: CONVERT WELL TYPE	PLUG AND ABANDA PLUG BACK PRODUCTION (STA S RECLAMATION OF	ON ART/RESUME)	VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF ✓ OTHER: SET SURFACE CSG
MIRU BILL MARTIN AIR AND 10 JTS OF 36# J-55 YIELD. TAIL CMT W/200 TOP OUT W/125 SX CLA	5 SURFACE CSG. RAN 200' OF 0 SX PREM CLASS G @15.8 PF ASS G @15.8 PPG 1.15 YIELD	2 1/4" SURFACE H F 1" PIPE. LEAD CN PG 1.15 YIELD GOO DOWN 1" PIPE GO	OLE TO 2550'. F MT W/230 SX HI OD RETURNS 2 DOD CMT TO SU	RAN 9 5/8" 53 JTS OF32.3# H-40 FILL CLASS G @11.0 PPG 3.82 7 BBLS +/- LEAD CMT TO PIT. JRFACE AND FELL BACK. 2ND CE AND STAYED AT SURFACE. RECEIVED DIV. OF OIL, GAS & MINING
SIGNATURE MAIN	UPCHEGO L MALLAND		EGULATORY A /3/2006	
(This space for State use only)				

ROUTING

1. DJJ

2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has change			1/6/2006				
FROM: (Old Operator):	TO: (New Op	erator):					
N2115-Westport Oil & Gas Co., LP		N2995-Kerr-M		das Onshoi	e, LP		
1368 South 1200 East	1368 South 1200 East						
Vernal, UT 84078	Vernal,	UT 84078	3				
Phone: 1-(435) 781-7024	Phone: 1-(435)	781-7024					
CA No.		Unit:	N	ATURAL B	UTTES	UNIT	
WELL NAME	SEC TWN RNG		ENTITY	1	WELL	WELL	
1	٠.	İ	NO	TYPE	TYPE	STATUS	
OPERATOR CHANGES DOCUMENTATION							
Enter date after each listed item is completed							
1. (R649-8-10) Sundry or legal documentation wa	s received from the	FORMER open	rator on:	5/10/2006			
2. (R649-8-10) Sundry or legal documentation wa		_		5/10/2006	•		
3. The new company was checked on the Departm		-			•	3/7/2006	
4a. Is the new operator registered in the State of U	Itah: YES	Business Numb	er:	1355743-018	31		
4b. If NO , the operator was contacted contacted o	n:				-		
5a. (R649-9-2)Waste Management Plan has been re-	ceived on:	IN PLACE					
5b. Inspections of LA PA state/fee well sites compl			3 LA well	s & all PA w	ells tran	sferred	
5c. Reports current for Production/Disposition & S		ok					
6. Federal and Indian Lease Wells: The						ge,	
or operator change for all wells listed on Federa	al or Indian leases o	n:	BLM	3/27/2006	BIA	not yet	
7. Federal and Indian Units:	. 6	51 1' 4 1		2/27/2007			
The BLM or BIA has approved the successor 8. Federal and Indian Communization				3/27/2006			
8. Federal and Indian Communization The BLM or BIA has approved the operator f	Ψ ,	•		n/a			
9. Underground Injection Control ("Ul		vision has appro	ved UIC F		sfer of A	uthority to	
Inject, for the enhanced/secondary recovery un							
DATA ENTRY:			1(0) 110000				
1. Changes entered in the Oil and Gas Database	on:	5/15/2006					
2. Changes have been entered on the Monthly Op				5/15/2006			
3. Bond information entered in RBDMS on:		5/15/2006			•		
4. Fee/State wells attached to bond in RBDMS on	;	5/16/2006					
5. Injection Projects to new operator in RBDMS of	on:						
6. Receipt of Acceptance of Drilling Procedures for	or APD/New on:		n/a	Name Chan	ge Only		
BOND VERIFICATION:							
1. Federal well(s) covered by Bond Number:		CO1203					
2. Indian well(s) covered by Bond Number:		RLB0005239					
3. (R649-3-1) The NEW operator of any fee well(s) listed covered by	Bond Number		RLB000523	6		
a. The FORMER operator has requested a release	of liability from the	ir bond on:	n/a	rider added	KMG		
The Division sent response by letter on:	A TOTANNI						
LEASE INTEREST OWNER NOTIFIC							
4. (R649-2-10) The FORMER operator of the feet			_		Division		
of their responsibility to notify all interest owner COMMENTS :	s of this change on:		5/16/2006				
Output 15.							
The state of the s							

* Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

		MULTIPLE LEASES	
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.			6. If Indian, Allottee or Tribe Name
SUBMIT IN TRIPLICATE – Other instructions on reverse side			7. If Unit or CA/Agreement, Name and/or No.
I. Type of Well		, , , , , , , , , , , , , , , , , , , ,	
Oil Well X Gas Well	Other		8. Well Name and No.
2. Name of Operator			MUTIPLE WELLS
KERR-McGEE OIL & GAS	ONSHORE LP		9. API Well No.
3a. Address		3b. Phone No. (include area co	ode)
1368 SOUTH 1200 EAST \		(435) 781-7024	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Descript	tion)	
SEE ATTACHED			11. County or Parish, State
SEE ATTACHED			UINTAH COUNTY, UTAH
	ROPRIATE BOX(ES) TO	INDICATE NATURE OF NOT	FICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF A	CTION
Notice of Intent	Acidize		oduction (Start/Resume) Water Shut-Off
Subsequent Report	Alter Casing Casing Repair Change Plans	New Construction Re	complete Well Integrity Complete Other CHANGE OF COMPORTING OPERATOR
Final Abandonment Notice	Convert to Injection		tter Disposal
following completion of the involved	operations. If the operation res bandonment Notices shall be fi	sults in a multiple completion or recorr	Required subsequent reports shall be filed within 30 days upletion in a new interval, a Form 3160-4 shall be filed once ing reclamation, have been completed, and the operator has
PLEASE BE ADVISED THA OPERATOR OF THE ATTA KERR-McGEE OIL & GAS (OF THE LEASE(S) FOR TH IS PROVIDED BY STATE OF BLM B B/A	CHED WELL LOCATI DNSHORE LP, IS RES IE OPERATIONS CON	ONS. EFFECTIVE JANUA SPONSIBLE UNDER TERM NDUCTED UPON LEASE L E BOND NO. RLB0005237 APPRO	ARY 6, 2006. MS AND CONDITIONS ANDS. BOND COVERAGE MAY 1 0 2006
14. I hereby certify that the foregoin	g is true and correct	Division of	f Oll, Cas and Mining
Name (Printed/Typed) RANDY BAYNE		Title Earlene Ru DRILLING MANAGER	issell, Engineering Technician
Signature		Date	
- GRanky 6, Sayne	THIS SDAC	May 9, 2006 E FOR FEDERAL OR STATE U	¢E
Approved by	Inia arac	Title	Date
************			, Date
Conditions of approval, if any, are attached certify that the applicant holds legal or equ which would entitle the applicant to conduct	itable title to those rights in the st	warrant or Office object lease	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

Expires Jnovember 30, 2000

BUREAU OF LAND MANAGEMENT 5. Lease Serial No.

MULTIPLE LEASES

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED

OMB No. 1004-0135

abandoned well. Use Form 3160-3 (APD) for such proposals.				6. If Indian, Allottee or Tribe Name		
SUBMIT IN TRIPL	7. If Unit or CA/Agreement, Name and/or No.					
1. Type of Well						
Oil Well X Gas Well	8. Well Name and No.					
2. Name of Operator				MUTIPLE WELLS		
WESTPORT OIL & GAS CO	MPANY L.P.			9. API Well No.		
3a. Address		3b. Phone No. (include	de area code)			
1368 SOUTH 1200 EAST VERNAL, UT 84078 (435) 781-7024			10. Field and Pool, or Exploratory Area			
4. Location of Well (Footage, Sec.,						
				11. County or Parish, State		
SEE ATTACHED				UINTAH COUNTY, UTAH		
	ROPRIATE BOX(ES) TO IN	NDICATE NATURE	OF NOTICE, R	EPORT, OR OTHER DATA		
TYPE OF SUBMISSION		TYI	PE OF ACTION			
Notice of Intent Subsequent Report	Acidize [Alter Casing [Deepen Fracture Treat	Reclamation	- won integrity		
Subsequent Report	Casing Repair Change Plans	New Construction Plug and Abandon	Recomplete			
Final Abandonment Notice	Convert to Injection	Plug Back	Temporarily Water Dispo			
testing has been completed. Final A determined that the site is ready for fin EFFECTIVE JANUARY 6, 20 THE OPERATORSHIP OF TONSHORE LP.	DOG, WESTPORT OIL & THE ATTACHED WELL Care Care APPRI	GAS COMPANY	L.P., HAS RI KERR-McGE	a new interval, a Form 3160-4 shall be filed once mation, have been completed, and the operator has ELINQUISHED E OIL & GAS RECEIVED MAY 1 0 2006		
	Earlene R	ussell, Engineerin	ng Technician	DIV OF QIL, GAS & MINING		
14. I hereby certify that the foregoing	z is true and correct	I min		TO THE TAXABLE PARTY OF THE PAR		
Name (Printed/Typed) BRAD LANEY		Title ENGINEERING	SPECIALIST	-		
Signature		Date	OF LOTALIST			
		May 9, 2006				
	THIS SPACE	FOR FEDERAL OR S	STATE USE			
Approved by		Title		Date		
Conditions of approval, if any, are attached certify that the applicant holds legal of equi which would entitle the applicant to conduct	table title to those rights in the subje-	rrant or Office of lease	MA 44	5-9-06		
		ingly and willfully to r	make to any depar	tment or agency of the United States any		

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES						
D	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST					
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for proposals to drill new drill horizontal later	7. UNIT OF CA AGREEMENT NAME: UNIT #891008900A					
1. TYPE OF WELL OIL WELL	8. WELL NAME and NUMBER: NBU 921-34K					
2. NAME OF OPERATOR: KERR McGEE OIL & GAS (9. API NUMBER: 4304736389					
3. ADDRESS OF OPERATOR:	10. FIELD AND POOL, OR WILDCAT:					
1368 S 1200 E CITY	NATURAL BUTTES					
4. LOCATION OF WELL						
FOOTAGES AT SURFACE: 2543'FS	SL, 22/4'FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHIP, RANGE	E, MERIDIAN: NESW 34 9S 2	21E		STATE:		
				UTAH		
11. CHECK APPRO	OPRIATE BOXES TO INDICAT	E NATURE (OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TY	PE OF ACTION			
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION		
(Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL		
Approximate date work will start:	CASING REPAIR	NEW CONST	TRUCTION	TEMPORARILY ABANDON		
[[CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR		
	CHANGE TUBING	PLUG AND A	ABANDON	VENT OR FLARE		
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL		
Date of work completion:	CHANGE WELL STATUS	PRODUCTIO	ON (START/RESUME)	WATER SHUT-OFF		
	COMMINGLE PRODUCING FORMATIONS	RECLAMATE	ON OF WELL SITE	OTHER: FINAL DRILLING		
	CONVERT WELL TYPE	RECOMPLET	TE - DIFFERENT FORMATION	<u>OPERATIONS</u>		
12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. FINISHED DRILLING FROM 2550' TO 9650' ON 05/26/2006. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/564 SX PREM LITE II @11.8 PPG 2.52 YIELD. TAILED CMT W/1612 SX 50/50 POZ @14.3 PPG 1.31 YIELD. NIPPLE DOWN SET SLIPS W/85K. RELEASED ENSIGN RIG 83 ON 05/28/2006 AT 1330 HRS.						
NAME (DI EASE DOINT) SHEILA UP	CHEGO		REGUALTORY A	NALYST		

(This space for State use only)

JUN 05 2006

DATE 5/30/2006

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES	FORM 9				
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST				
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2543'FSL, 2274'FWL	COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 34 9S 21E	STATE: UTAH				
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NOTICE OF INTENT (Submit in Duplicate) ACIDIZE DEEPEN ACIDIZE FRACTURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL				
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON				
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR				
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE				
SUBSEQUENT REPORT (Submit Original Form Only) CHANGE WELL NAME PLUG BACK	WATER DISPOSAL				
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF				
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER: PRODUCTION				
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	START-UP				
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 06/17/2006 AT 9:30 AM.					
	7.55 7 W.				
PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.					
	RECEIVED				
	JUN 2 6 2006				
	DIV. OF OIL, GAS & MINING				

TITLE REGULATORY ANALYST

DATE 6/21/2006

(This space for State use only)

NAME (PLEASE PRINT) SHEILA UPCHEGO

KERR McGEE OIL AND GAS ONSHORE LP

CHRONOLOGICAL HISTORY

NBU 921-34K

UINTAH COUNTY, UT

	SPUD	Surface Casing	Activity		Status
04/10/06			Build Location, 5% Co	omplete	Caza 83
04/13/06			Build Location, 20% (Complete	Caza 83
04/17/06			Build Location, 20% (Complete	Caza 83
04/18/06			Build Location, 25% (Complete	Caza 83
04/19/06			Build Location, 30% (Complete	Caza 83
04/20/06			Build Location, 50% (Complete	Caza 83
04/21/06			Build Location, 75% (Complete	Caza 83
04/24/06			Build Location, 85% (Complete	Caza 83
04/25/06			Build Location, 95% (Complete	Caza 83
04/28/06	4/26/06		Set conductor, WOBR		Caza 83
04/01/06	05/02/06		Air rig spud, Drlg		Caza 83
05/12/06	05/02/06	9 5/8" @ 2500°	WORT		Caza 83
05/17/06	TD: 2550' Moved f/ NBU	Csg. 9 5/8" @ 2 J 921-33I. 100% n	536' MW: 8.4 noved and 90% rigged u	SD: 5/X/06 p. NUBOP @ rep	DSS: 0 oort time.
05/18/06	TD: 2741' NU and test B DA @ report		536' MW: 8.4 annular rubber. PU BI	SD: 5/18/06 HA and drill FE.	DSS: 0 Drill from 2550'-2741'.
05/19/06	TD: 4804' Drill from 274	Csg. 9 5/8" @ 2 1'-4804'. DA @ r		SD: 5/18/06	DSS: 2
05/22/06	TD: 8353' Drill from 480	Csg. 9 5/8" @ 2 94'-8353'. DA @ r		SD: 5/18/06	DSS: 5
05/23/06	TD: 8850' Drill from 835	Csg. 9 5/8" @ 2 53'-8850'. DA @ r		SD: 5/18/06	DSS: 6
05/24/06	TD: 9250'	Csg. 9 5/8" @ 2	536' MW: 11.6	SD: 5/18/06	DSS: 7

Drill from 8850'-9250'. DA @ report time.

05/26/06 TD: 9650' Csg. 9 5/8" @ 2536' MW: 12.4 SD: 5/18/06 DSS: 9
Finish TIH. Drill f/ 9291'-9461'. Raised MW to 12.4 to control coal. DA to TD of 9650'. Prep
for short trip @ report time.

05/25/06 TD: 9291' Csg. 9 5/8" @ 2536' MW: 11.7 SD: 5/18/06 DSS: 8
Drill from 9250'-9291'. Pull 5 stds and work on compound. POOH and change out bit and MM.
TIH @ report time.

05/29/06 TD: 9650' Csg. 9 5/8" @ 2536' MW: 12.4 SD: 5/18/06 DSS: 12
Short trip and CCH. POOH and run logs w/ logger's TD at 9660'. TIH losing 225 bbls of mud.
Build volume and CCH. LDDS, run, and cmt 4.5" prod csg. Set slips, NDBOP, cut csg, and clean pits. Release rig at 1330 hrs on 5/28/06. Moving rig to NBU 921-33F @ report time.

PROG: 7 A.M. HSM.
OPEN WELL. 0 PSI. CONT POOH. L/D BHA. ND 10K BOP, NU FRAC VALVES. MIRU BC
QUICK TEST. PRESS TEST TO 7500#. HELD. BLEED OFF PRESS. RDMO BC QUICK TEST.
MIRU CUTTERS. RIH W/ PERF GUN. SHOOT F/ 9342'- 39', 4 SPF, 12 HLS. PERF F/ 9195'90', 4 SPF, 20 HLS. PERF 9100'-9097', 4 SPF, 12 HLS. POOH. RDMO CUTTERS. PREP TO FRAC
ON MONDAY AM. SWI, SDFWE.

PROG: MIRU SCHLUMBERGER & CUTTERS WIRELING SERVICE. HSM. ALL STAGES WILL USE NALCO DVO-005 SCALE INHIBITOR (3 GPT IN PAD THRU' MID SND; 10 GPT IN FLUSH). PERFS ON STAGES 1-7 WILL BE SHOT W/3-3/8" GUNS, 23 Gm CHG, 42" PENE, 0.35" HOLE, 4 SPF W/90 DEGREE PHASING. PERFS ON STAGES 8 & 9 WILL BE SHOT W/3-1/8" HSC GUNS, 12 Gm CHG, 20" PENE :& 0.34" HOLE DIA. 4 SPF EA, 90 DEGREE PHASING. ALL CBPs ARE BAKER 4.5" 8K.PRES TEST SURFACE LINES TO 8.5K PSI.

STAGE 1: 8:45 A.M. OPEN: 0 PSI. BRK: 4013 PSI, ISIP: 2500, FG: 0.71. EST RATE: 44.7 BPM @ 5320 PSI. POC: 93%. FRAC STGAGE W/YF 124ST+ GEL & 20/40 SND. TOT SND: 226,000 LBS, TOT FL: 2058 BBL. ISIP: 4620 PSI, FG: 0.94. MR: 44.8 BPM, MP: 6870 PSI, AR: 40.2 BPM, AP: 4487 PSI.

STAGE 2: MU CWLS, PU CBP & PERF GUN. RIH, SET CBP@ 8951', PU, PERF: 8917-21', PU, PERF: 8836-40'. TOT OF 32 HOLES. POOH, LD WL TLS. MU D/S. OPEN WELL: 0 PSI, BRK: 3691 PSI, ISIP: 3020 PSI, FG: 0.78. EST RATE: 36.8 BPM @ 5920 PSI. POC: 69%. FRAC STAGE AS PER DESIGN W/YF122 ST+ GEL. TOT SND: 135,300 LBS, TOT FL: 1097 BBL, ISIP: 3800 PSI, FG: 0.87. MR: 37.2 BPM, MP: 6170 PSI, AR: 34.8 BPM, AP: 4887 PSI.

STAGE 3: MU CWLS, PU CBP &PERF GUN. RIH, SET CBP@ 8650', PU, PERF: 8604-08', PU, PERF: 8559-63'. TOT OF 32 HOLES. POOH, LD WL TLS. MU D/S. OPEN WELL: O PSI, BRK: 4707 PSI, ISIP: 2930 PSI, FG: 0.78. EST RATE: 35.3 BPM @ 6100 PSI. POC: 63%. FRAC STAGE W/YF122ST+ GEL. TOT SND: 166,230 LBS, TOT FL: 1300 BBL, ISIP: 3750 PSI, FG: 0.88. MR: 35.7 BPM, MP: 6540, AR: 34.2 BPM, AP: 4848 PSI.

STAGE 4: MU CWLS, PU CBP & PERF GUN. RIH, SET CBP @ 8407', PU, PERF: 8372-77', PU, PERF: 8235-39', PU, PERF: 8157-60', TOT OF 48 HOLES. POOH, LD WL TLS. MU D/S. OPEN WELL: 0 PSI, BRK: 2310 PSI, ISIP: 0.72, FG: O.72. EST RATE: 49 BPM @ 5500 PSI. POC: 71%. FRAC STAGE W/YF120ST+ GEL. TOT SND: 197,500 LBS, TOT FL: 1505 BBL. ISIP: 3560 PSI, FG: 0.87. MR: 50.2 BPM, MP: 6637 PSI, AR: 45.8 BPM, AP: 4958 PSI.

STAGE 5: MU CWLS, PU CBP & PERF GUN. RIH, SET CBP @ 8000', PU, PERF: 7965-70', PU, PERF: 7886-89', PU, PERF: 7793-96'. TOT OF 44 HOLES. POOH, LD WL TLS. MU D/S.

OPEN WELL: 0 PSI, BRK: 2894 PSI, ISIP: 1870 PSI, FG: 0.68. EST RATE: 40.8 BPM @ 4900 PSI. POC: 66%. FRAC STAGE W/YF120ST+ GEL. TOT SND: 196,500 LBS, TOT FL: 1485 BBL. ISIP: 3405 PSI, FG: 0.87. MR: 41.1 BPM, MP: 5573 PSI, AR: 39.5 BPM, AP: 4048 PSI.

STAGE 6: MU CWLS, PU CBP & PERF GUN. RIH, SET CBP @ 7675'. PU, PERF: 7595-97', PU,

06/13/06

PROG: 8:30 a.m. HSM

MIRU SCHLUMBERGER, PMP TRUCKS (2 TRUCKS). PSI TST LINES TO 8500#, (HELD). CONT TO FRAC.

STG 6: BRK DWN PERF'S @ 2255#, EST INJ RT @ 39.9 BPM @ 4500#, ISIP 1670#, FG .66, FRAC STG W/ 205,600# 20/40 SAND W/ YF120ST+ GEL. TOT CL FL 1510 BBLS. ISIP 2923#, NPI 1253#, FG .83

STG 7: P/U 3 3/8" EXP PERF GUNS LOADED W/ 23 GM CHARGES. 4 SPF, 90 DEG PHASING & 4 1/2" BAK 8K CPB & RIH. SET CBP @ 6680', P/U SHOOT 16 HOLES F/ 6646' - 50', P/U SHOOT 12 HOLOES F/ 6555' - 58', P/U SHOOT 16 HOLES F/ 6340' - 44'. POOH. BRK DWN PERF'S @ 2170#, EST INJ RT @ 45.8 BPM @ 3900#, ISIP 1430#, FG .66, FRAC STG 7 W/ 133,200# SAND W/ YF118ST+ GEL. TOT CL FL 1119 BBLS, ISIP 2649#, NPI 1219#, FG .85.

STG 8: P/U 3 1/8" HSC PERF GUNS LOADED W/ 12 GM CHARGES, 4 SPF, 90 DEG PHASING & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 5887'. P/U SHOOT 20 HOLES F/ 5852' - 57', POOH. BRK DWN PERF'S @ 2015#, EST INJ RT @ 31.4 BPM @ 3600#. ISIP 1206#, FG .64, FRAC STG 8 W/ 86500# SAND W/ YF118ST+ GEL. TOT CL FL 583 BBLS. ISIP 2305#, NPI 1099#, FG .83

STG 9: P/U 3 1/8" HSC PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 6110', P/U SHOOT 20 HOLES F/ 5048' - 53'. POOH. BRK DWN PERF'S @ 1572#, EST INJ RT @ 31.3 BPM @ 3500#, ISIP 1545#, FG .74, FRAC STG 9 W/ 97,400# 20/40 SAND W/ YF118ST+ GEL. TOT CL FL 611 BBLS. ISIP 2477#, NPI 932#, FG .93.

P/U 4 1/2" BAK 8K CBP & RIH. SET KILL PLUG 4940'. POOH. RDMO CUTTERS. RDMO SCHLUMBERGER. ND FRAC VLV'S, NU BOPE. P/U 3 7/8" BIT, POBS & RIH W/ TBG. EOT @

06/14/06

PROG: 7:00 A.M. HSM

CONT TO RIH W/ TBG F/ 1800'. TAG FILL @ 4944', R/U DRL EQUIP. R/U PMP & LINES. BRK CONV CIRC W/ 2% KCL & BEG TO DRL. C/O 30' FILL TO KILL PLUG @ 4974'.

DRL UP KILL PLUG IN 10 MIN. (100# PSI INC). CONT TO RIH. TAG FILL @ 5070', (40' FILL). C/O TO 2ND CBP @ 5110'.

DRL UP 2ND CBP IN 8 MIN. (200# PSI INC). CONT TO RIH. TAG FILL @ 5855', (30' FILL). C/O TO 3RD CBP @ 5885'.

DRL UP 3RD CBP IN 13 MIN. (400# PSI INC). CONT TO RIH. TAG FILL @ 6650', (30' FILL). C/O TO 4TH CBP @ 6680'.

DRL UP 4TH CBP IN 8 MIN. (800# PSI INC). CONT TO RIH. TAG FILL @ 7615', (60' FILL). C/O TO 5TH CBP @ 7675'.

DRL UP 5TH CBP IN 8 MIN. (600# PSI INC). CONT TO RIH. TAG FILL @ 7970', (30' FILL). C/O TO 6TH CBP @ 8000'.

DRL UP 6TH CBP IN 10 MIN. (600# PSI INC). CONT TO RIH. TAG FILL @ 8377', (30' FILL). C/O TO 7TH CBP @ 8407'.

DRL UP 7TH CBP IN 15 MIN. (700# PSI INC). CONT TO RIH. TAG FILL @ 8560', (90' FILL). C/O TO 8TH CBP @ 8650'.

DRL UP 8TH CBP IN 10 MIN. (900# PSI INC). CONT TO RIH. TAG FILL @ 8921', (30' FILL). C/O TO 9TH CBP @ 8951'.

DRL UP 9TH CBP IN 10 MIN. (600# PSI INC). CONT TO RIH. TAG FILL @ 9342', (130' FILL). C/O TO PBTD @ 9473'. CIRC WELL CLEAN FOR 30 MIN. R/D DRL EQUIP. POOH. L/D 49 JTS ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 8462'. NDBOP. NUWH. DROP BALL & PMP OFF THE BIT SUB @ . R/U FLOW BACK EQUIP. TURN OVER TO FLOW BACK CREW.

SICP **FTP** 48/64 CHOKE

TBG ON LOC 317 JTS TBG IN WELL 268 JTS TBG LEFT ON TRAILER **49 JTS**

WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1400#, TP: 950, 20/64 CHK, 60 BWPH, 15 HRS, SD: TRACE, TTL BBLS FLWD: 960 BBLS, TODAYS LTR: 7488 BBLS, LOAD REC TODAY: 960 BBLS, REMAINING LTR: 6528 BBLS, TOTAL LOAD REC TO DATE: 960 BBLS.

WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1700#, TP: 950, 20/64 CHK, 55 BWPH, 24 06/15/06 HRS, SD: TRACE, TTL BBLS FLWD: 1390 BBLS, TODAYS LTR: 6528 BBLS, LOAD REC TODAY: 1390 BBLS, REMAINING LTR: 5138 BBLS, TOTAL LOAD REC TO DATE: 2350 BBLS.

> WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1850#, TP: 675, 20/64 CHK, 45 BWPH, 24 HRS. SD: TRACE, TTL BBLS FLWD: 1755 BBLS, TODAYS LTR: 5138 BBLS, LOAD REC TODAY: 1755 BBLS, REMAINING LTR: 3383 BBLS, TOTAL LOAD REC TO DATE: 4105 BBLS.

WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1800#, TP: 300, OPEN CHK, 35 BWPH, 24 HRS. SD: TRACE, TTL BBLS FLWD: 1675 BBLS, TODAYS LTR: 3383 BBLS, LOAD REC TODAY: 1675 BBLS, REMAINING LTR: 1708 BBLS, TOTAL LOAD REC TO DATE: 5780 BBLS.

WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1600#, TP: 250, OPEN CHK, 30 BWPH, 24 HRS, SD: CLEAN, TTL BBLS FLWD: 900 BBLS, TODAYS LTR: 1708 BBLS, LOAD REC TODAY: 900 BBLS, REMAINING LTR: 808 BBLS, TOTAL LOAD REC TO DATE: 6680 BBLS.

WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1625#, TP: 0, OPEN CHK, 30 BWPH, 9 HRS. SD: CLEAN, TTL BBLS FLWD: 120 BBLS, TODAYS LTR: 808 BBLS, LOAD REC TODAY: 120 BBLS, REMAINING LTR: 688 BBLS, TOTAL LOAD REC TO DATE: 6800 BBLS.

ON SALES 06/20/06 06/18/06: 0 MCF, 0 BC, 720 BW, TP: 250#, CP: 1600#, 20/64 CHK, 24 HRS, SP: 95#.

06/19/06: 10 MCF, 0 BC, 150 BW, TP: 305#, CP: 1805#, 20/64 CHK, 3 HRS, SP: 110#.

06/16/06

06/19/06

06/21/06

ON SALES

STATE OF UTAH AMENDED REPORT FORM 8 DEPARTMENT OF NATURAL RESOURCES (highlight changes) 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING STUO-1194-A-ST 6 JE INDIAN ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG 1a. TYPE OF WELL: UNIT or CA AGREEMENT NAME GAS Z DRY OTHER UNIT #891008900A WELL NAME and NUMBER b. TYPE OF WORK: RE-ENTRY DIFF. RESVR. NBU 921-34K OTHER 9 API NUMBER 2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP 4304736389 10 FIELD AND POOL, OR WILDCAT 3. ADDRESS OF OPERATOR: PHONE NUMBER: STATE UT ZIP 84078 NATURAL BUTTES 1368 S 1200 E (435) 781-7024 CITY VERNAL 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2543'FSL, 2274'FWL NESW 34 9S 21E AT TOP PRODUCING INTERVAL REPORTED BELOW: 12 COUNTY 13. STATE UTAH AT TOTAL DEPTH: **UINTAH** 16. DATE COMPLETED: 17. ELEVATIONS (DF, RKB, RT, GL): 14. DATE SPUDDED: 15. DATE T.D. REACHED: READY TO PRODUCE 🔽 ABANDONED | 5033'GL 5/26/2006 4/26/2006 6/17/2006 19. PLUG BACK T.D.: MD 9,473 21. DEPTH BRIDGE 18. TOTAL DEPTH: 20. IF MULTIPLE COMPLETIONS, HOW MANY? 9.650 PLUG SET: TVD TVD 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) NO 🔽 WAS WELL CORED? YES (Submit analysis) CBL-CCL-GR NO 🔽 WAS DST RUN? YES (Submit report) DIRECTIONAL SURVEY? NO 🔽 YES (Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER CEMENT TYPE & NO. OF SACKS SLURRY VOLUME (BBL) AMOUNT PULLED BOTTOM (MD) CEMENT TOP ** HOLE SIZE SIZE/GRADE WEIGHT (#/ft.) TOP (MD) DEPTH 28 20" 14" STL 36.7# 40 32.3# 36# 2,550 605 12 1/4" 9 5/8 7 7/8" 4 1/2 I-80 11.6# 9.650 2176 25. TUBING RECORD SIZE DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) DEPTH SET (MD) PACKER SET (MD) SIZE 9.342 2 3/8 27. PERFORATION RECORD 26. PRODUCING INTERVALS SIZE NO. HOLES PERFORATION STATUS INTERVAL (Top/Bot - MD) FORMATION NAME TOP (MD) BOTTOM (MD) TOP (TVD) BOTTOM (TVD) 5,048 7,597 0.34 120 Open 🗸 7,597 (A) WASATCH 5,048 7,793 9,342 0.35 200 Open 🗸 Squeezed **MESVARDE** 7,793 9,342 Squeezed Open (C) Squeezed (D) 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. AMOUNT AND TYPE OF MATERIAL DEPTH INTERVAL PMP 3823 BBLS YF118ST, 119ST, 120ST & 522,700# 20/40 SD 5048'-7597' PMP 7445 BBLS YF120ST, 122ST, 124ST & 921,530# 20/40 SD 7793'-9342 30. WELL STATUS: 29. ENCLOSED ATTACHMENTS: DIRECTIONAL SURVEY GEOLOGIC REPORT DST REPORT ELECTRICAL/MECHANICAL LOGS PROD OTHER: CORE ANALYSIS SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION RECEIVED

(CONTINUED ON BACK)

(5/2000)

JUL 2 5 2006

31. INITIAL PRO	DUCTION				INT	ERVAL A (As sho	wn in Item #26)					
DATE FIRST PR	ODUCED:	TEST DAT	E:				TEST PRODUCTIO	N OIL-I	BBL:	GAS - MCF:	WATER - BBL	
6/17/2006	6	6/21/2	2006		24		RATES: →	1	0	750	1,200	FLOWING
CHOKE SIZE: 35/64	TBG. PRESS. 275	CSG. PRE 1,46		AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	ON OIL - E	BBL:	GAS – MCF: 750	WATER - BBL 1,200	: INTERVAL STATUS: PROD
	<u>. </u>				INT	ERVAL 8 (As sho	wn in item #26)					
DATE FIRST PR 6/17/2006		TEST DAT 6/21/2			HOURS TESTED	D: 24	TEST PRODUCTION RATES: →	ON OIL-I	BBL:	GAS - MCF: 750	WATER - BBL 1,200	PROD. METHOD: FLOWING
CHOKE SIZE: 35/64	TBG. PRESS. 275	CSG. PRE		AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	ON OIL - I	BBL:	GAS - MCF: 750	WATER - BBL 1,200	: INTERVAL STATUS: PROD
	<u></u>				INT	ERVAL C (As sho	wn in item #26)					
DATE FIRST PRODUCED:		TEST DAT	TEST DATE:		HOURS TESTED	D :	TEST PRODUCTIC RATES: →	ON OIL-I	BBL:	GAS - MCF:	WATER - BBL	: PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	SS. API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION PATES: →	ON OIL-I	BBL:	GAS - MCF:	WATER - BBL	: INTERVAL STATUS:
					INT	ERVAL D (As sho	wn in item #26)	<u> </u>				
DATE FIRST PR	ODUCED:	TEST DAT	E:		HOURS TESTED	D :	TEST PRODUCTION RATES: →	OIL - E	BBL:	GAS - MCF:	WATER - BBL	: PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	SS. API GR	AVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	ON OIL - E	BBL:	GAS - MCF:	WATER - BBL	: INTERVAL STATUS:
32. DISPOSITIO	N OF GAS (Solo	l, Used for Fi	uel, Vented, Etc	-)				•		- "		
Show all importatested, cushion u	nt zones of poros	ity and conter	nts thereof: Core			n tests, including de	epth interval	34. FORM	MATION (Log) MARKERS:		
Formatio	on	Top (MD)	Bottom (MD)		Descrip	tions, Contents, etc).			Name		Top (Measured Depth)
WASATCH MESAVER		4,752 7,500	7,500									
35. ADDITIONAL	L REMARKS (In	clude pluggir	ng procedure)									
	tify that the fore			tion is c	omplete and corre	ect as determined	from all available re		ΓORY	ANALYST		

This report must be submitted within 30 days of

- completing or plugging a new well
- · drilling horizontal laterals from an existing well bore
- · recompleting to a different producing formation
- reentering a previously plugged and abandoned well

7/10/2006

- significantly deepening an existing well bore below the previous bottom-hole depth
 drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- * ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- **ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

NAME (PLEASE PRINT)

SIGNATURE

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

801-359-3940

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES							
DIV	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST						
SUNDRY NOTICES AND REPORTS ON WELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:							
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 7. UNIT or CA AGREEMENT NAME: UNIT #891008900A							
1. TYPE OF WELL OIL WELL	1 TYPE OF WELL						
2. NAME OF OPERATOR: 9. API NUMBER:							
KERR McGEE OIL & GAS C	NSHORE LP		PHONE NUMBER:	4304736389 10. FIELD AND POOL, OR WILDCAT:			
	ERNAL STATE UT ZIP	84078	(435) 781-7024	NATURAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2163'FNL, 839'FEL COUNTY: UINTAH							
QTR/QTR, SECTION, TOWNSHIP, RANGE,	MERIDIAN: SENE 34 9S 2	:1E		STATE: UTAH			
11. CHECK APPRO	PRIATE BOXES TO INDICAT	E NATURE (OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION		Τ\	PE OF ACTION				
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION			
(Submit in Duplicate)	ALTER CASING	FRACTURE		SIDETRACK TO REPAIR WELL			
Approximate date work will start:	CASING REPAIR	☐ NEW CONS.		TEMPORARILY ABANDON			
	CHANGE TO PREVIOUS PLANS	☐ OPERATOR		TUBING REPAIR VENT OR FLARE			
	CHANGE TUBING	PLUG AND A		WATER DISPOSAL			
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	ON (START/RESUME)	WATER SHUT-OFF			
Date of work completion:	CHANGE WELL STATUS		ON OF WELL SITE	OTHER: REVISED SET			
L	CONVERT WELL TYPE		TE - DIFFERENT FORMATION	SURFACE CSG			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.							
SET SURFACE CSG. PLEA	WAS SENT IN BY OUR OFFI ASE DISREGARD THE SUBSI R THE SET SURFACE CSG.	CE, A NOTIC EQUENT NO	E OF DISCREPANC TICE SENT IN ON C	CY WAS DISCOVERED FOR THE 06/07/2006. HERE IS THE			
MIRU BILL MARTIN AIR RIG ON 06/03/2006. DRILLED 12 1/4" SURFACE HOLE TO 2540'. RAN 9 5/8" 52 JTS OF 32.3# H-40 AND 10 JTS OF 36# SURFACE CSG. LEAD CMT W/300 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT. TOP OUT W/150 SX CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE CMT TO SURFACE HOLW STAYED FULL.							
CHEILA LID	CHECO		SENIOR LAND A	ADMIN SPECIALIST			
NAME (PLEASE PRINT) SHEILA UP	Chiego	TITL					
SIGNATURE ////////////////////////////////////							

(This space for State use only)

RECEIVED FEB 2 0 2007 DIV. OF OIL, GAS & MINING



Kerr-McGee Oil & Gas Onshore LP 1999 Broadway, Suite 3700 Denver, CO 80205

February 28, 2007

Division of Oil, Gas and Mining

Attn: Gil Hunt P.O. Box 145801

Salt Lake City, Utah 84114-5801

RE: Water Disposal Well proposal NBU 921-34K SWD

2543' FNL, 2274' FWL (NE/4SW/4) Sec 34-9S-21E

Uintah County, Utah Natural Buttes Unit

Dear Mr. Hunt,

Kerr-McGee Oil & Gas Onshore LP proposes to convert the NBU 921-34K into a saltwater disposal well down to the Bird's Nest of the Green River formation. The well is owned by Kerr-McGee 100%. We must notify all owners within one-quarter mile of the well site prior to filing the UIC. Please feel free to contact me at (720) 264 6698 should you have any questions. Thank you for your assistance.

Sincerely,

Beau Colligan

Landman

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED MAR 0 5 2007

STATE OF UTAH

(5/2000)

		DEPARTMENT OF NATURAL RESOUR		
		DIVISION OF OIL, GAS AND MIN	NING	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-A-ST
	SUNDRY	NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do	not use this form for proposals to drill no drill horizontal la	ew wells, significantly deepen existing wells below curre terals. Use APPLICATION FOR PERMIT TO DRILL for	ent bottom-hole depth, reenter plugged wells, or to m for such proposals.	7. UNIT OF CA AGREEMENT NAME: UNIT #891008900A
	YPE OF WELL OIL WELL			8. WELL NAME and NUMBER: NBU 921-34K
	AME OF OPERATOR: ERR McGEE OIL & GAS	ONSHORE LP		9. API NUMBER: 4304736389
	DDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
	S8 SOUTH 1200 EAST CITY	VERNAL STATE UT ZIP	34078 (435) 781-7024	NATURAL BUTTES
	DOTAGES AT SURFACE: 2543F	SL, 2274'FWL		COUNTY: UINTAH
Q	TR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN: NESW 34 9S, 21	IE	STATE: UTAH
11.	CHECK APPF	ROPRIATE BOXES TO INDICATE	E NATURE OF NOTICE, REPO	
	TYPE OF SUBMISSION		TYPE OF ACTION	,
$\overline{\mathbf{V}}$	NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
V	NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
	Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	✓ TEMPORARILY ABANDON
		CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
		CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
	SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
	(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
		CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
ΑE		DR.	ION IS CURRENTLY BEING E\	
NAM	IE (PLEASE PRINT) SHEILA U	PCHEGO	SENIOR LAND A	ADMIN SPECIALIST
SIGI	NATURE ////	E MOUNT	7) DATE 4/25/2008	
0,0,	The state of the s	REQUEST DENIED	- DATE	
	pace for State use only)	Oil, Gas and Mining Date: 5/12/05		
5/2000))	* See Ploy 9-3-36	ctions on Reverse Side)	



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

October 1, 2008

CERTIFIED MAIL NO. 7004 2510 0004 1824 6466

Ms. Sheila Upchego Kerr McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, UT 84078

43 047 36 389 NBU 921-34K 95 21E 34

Re: Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases

Dear Ms. Upchego,

As of July 2008, Kerr McGee Oil & Gas has twenty-eight (28) State and Mineral Lease Wells (see attachment A) that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon showing of good cause by the operator (R649-3-36-1.3.3).

For extended SI/TA consideration the operator shall provide the Division with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- The length of time the well is expected to be SI/TA (R649-3-36-1.2), and 2.
- An explanation and supporting data if necessary, for showing the well has 3. integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2 October 1, 2008 Ms. Upchego

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet Petroleum Engineer

js Enclosure

cc: Jim Davis, SITLA Operator Compliance File Well File

ATTACHMENT A

	Well Name	API	Lease Type	Location	Years Inactive
1	CIGE 5	43-047-30335	STATE	NWSE Sec 31-09S-22E	1 Year 4 Months
2	CIGE 54D	43-047-30851	ML-22582	NENE Sec 35-09S-21E	2 Years 4 Months
3	CIGE 80D	43-047-30853	ML-22652	NWNW Sec 02-10S-21E	1 Year
4	CIGE 51D	43-047-30889	STATE	NENE Sec 31-09S-22E	1 Year 3 Months
5	NBU 54N	43-047-30890	ML-22649	NESW Sec 32-09S-22E	1 Year 3 Months
6	CIGE 92D	43-047-31162	STATE	SENW Sec 13-10S-20E	1 Year
7	NBU 213-36J	43-047-31268	ML-22650	NENE Sec 36-09S-22E	1 Year 1 Month
8	ARCHY BENCH STATE 1-2	43-047-31489	ML-22348-A	NENE Sec 02-11S-22E	1 Year 10 Months
9	CIGE 97D	43-047-31729	STATE	SESE Sec 31-09S-22E	1 Year 7 Months
10	NBU 157	43-047-32007	ML-22649	SESW Sec 32-09S-22E	1 Year 3 Months
11	NBU 343-36E	43-047-32205	ML-22650	SENW Sec 36-09S-22E	1 Year 7 Months
12	NBU 265	43-047-32796	ML-13826	NESE Sec 02-10S-21E	1 Year 2 Months
13	MORGAN STATE 12-36	43-047-32814	ML-22265	NESE Sec 36-09S-21E	1 Year
14	WONSITS STATE 1-32	43-047-32820	ML-47780	SWNE Sec 32-07S-22E	4 Years
15	NBU 333	43-047-33641	ML-23608	SWSW Sec 13-10S-21E	1 Year 6 Months
16	NBU 389	43-047-34229	ML-21329	NENE Sec 28-10S-21E	1 year 4 Months
17	STATE 921-32P	43-047-34422	ML-48758	SESE Sec 32-09S-21E	1 Year 5 Months
18	STATE 920-36P	43-047-34423	ML-48757	SESE Sec 36-09S-20E	2 years 9 Months
19	NBU 440	43-047-34785	STATE	SWNW Sec 34-09S-21E	1 Year 4 Months
20	NBU 442	43-047-34788	STATE	NWSW Sec 35-09S-21E	2 Years 8 Months
21	CIGE 284	43-047-34792	ML-23612	SWNW Sec 01-10S-21E	1 Year 2 Months
22	CIGE 285	43-047-34793	ML-22652	NENE Sec 02-10S-21E	1 Year 8 Months
23	STATE 920-36O	43-047-35788	ML-48757	SWSE Sec 36-09S-20E	1 Year 8 Months
24	NBU 1022-16G	43-047-35948	ML-3276	SWNE Sec 16-10S-22E	1 Year 2 Months
25	NBU 1022-16B	43-047-36158	ML-3276	NWNE Sec 16-10S-22E	1 Year 3 Months
26	NBU 921-34K	43-047-36389	STATE	NESW Sec 34-09S-21E	1 Year 2 Months
27	BONANZA 1023-16J	43-047-37092	ML-22186-A	NWSE Sec 16-10S-23E	1 Year 4 Months
28	NBU 921-34J	43-047-37953	STATE	NWSE Sec 34-09S-21E	1 Year

STATE OF UTAH	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	. 5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-AST
SUNDRY NOTICES AND REPORTS ON WELLS	6, IF INDIAN, ALLOTTEE OR TRIBE NAME:
with a walk a below a group bottom hole depth, reenter plugged wells, o	7. UNIT or CA AGREEMENT NAME: 891008900A
TYPE OF MET	8. WELL NAME and NUMBER: NBU 921-34K
	9. API NUMBER:
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP IPHONE NUMBER:	4304736389 10. FIELD AND POOL, OR WILDCAT:
2 ADDRESS OF OPERATOR: (405) 704 702	=u=k BUTTEC
1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078 (435) 781-7029 4. LOCATION OF WELL	COUNTY: UINTAH
FOOTAGES AT SURFACE: 2543' FSL, 2274' FWL	COUNTY: DIRECTAGE.
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 34 98 21E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, R	EPORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	the state of the s
ACIDIZE	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT	TEMPORARILY ABANDON
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TUBING REPAIR
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	VENT OR FLARE
CHANGE TUBING PLUG AND ABANDON	WATER DISPOSAL
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
CHANGE WELL STATES	OTHER:
COMMUNICAL INCOME.	
CONVERT WELLTITE	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depth KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO DO THE ATTACHED SUBJECT WELL TO AN INJECTION WELL PER THE EPA PERMIT NUMBER UT21	PROCEDURE TO GORVERT THE
PLEASE SEE ATTACHED.	
	AND SENT TO OBERATOR
	COPY SENT TO OPERATOR
	Date: 11.13.2008
	Initials: 145
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULA	TORY ANALYST
Aprila (ANOMEIAN IAN)	8
SIGNATURE WAY WAY	
(This space for State of the Children of The STATE	U/ED
Landini Wholeson	RECEIVED
OIL, GAS, AND MINING Action Is Necessary	NOV 1 0 2008
DATE: 111/0/08	MOA
(5/2000) BY: (See Instructions on Reverse Side)	DIV. OF OIL, GAS & MINING
# A 1001 cement plug Shall be balanced across the surface Shoe from 26001 to 25001 (±105x)	Otar or an a

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

FORMATION DATA:

- * Base of USDWs: Uinta Formation at 1497'and 3333' (Pub. #92)
- * Upper Confining Zone: Green River Formation interval between 1497'-1632'
- * Lower Confining Zone: Green River Formation interval between 1960'-2042'
- * Permitted Injection Zone: Birds Nest member of the Green River Formation between 1632'-1960'

WELL CONSTRUCTION:

- * 14" conductor casing in 20" hole to 40' with cement to surface (28 sx)
- * 9-5/8" surface casing in 12-1/4" hole to 2536' with cement to surface (605 sx)
- * 4-1/2" casing set inside 7-7/8" hole from to 9650' with cement to 220' (2176 sx)
- *-Well TD at 9650' with perforations from 5048' 7342' and 7595' 9342'

CORRECTIVE ACTION PROCEDURE: ALL DEPTHS ARE FROM THE CUTTERS WIRELINE SERVICE GR-CBL-CCL DATED 7 JUNE 2006

- 1. MIRU. ND WH AND NU BOPE. KILL WELL AND TOH WITH TUBING.
- 2. PLUG #1, 4672-5020', PERFORATIONS AND WASATCH TOP: SET CIBP AT 5020' AND PRESSURE TEST CASING TO 1000 PSI. WITH TUBING AT 5020', SPOT ~28 SX OR ~32 CUFT OF CLASS G CEMENT (15.8 PPG, 1.15 CUFT/SX YIELD). PULL OUT OF CEMENT AND CIRCULATE CLEAN. TOH AND WOC.
- 3. PLUG #2, 3280-3400', BASE OF USDW's: SET CIBP AT 3400'. WITH TUBING AT 3400', SPOT ~10 SX OR ~11 CUFT OF CLASS G CEMENT (15.8 PPG, 1.15 CUFT/SX YIELD). PULL OUT OF CEMENT AND CIRCULATE CLEAN. TOH AND WOC.
- 4. PERFORATE AT 1942' AND 1652' WITH 4 SPF.
- 5. TIH WITH RBP AND PACKER. SET RBP AT ~2100' AND PACKER AT ~1850'. BREAK DOWN PERFORATIONS, ESTABLISH INJECTION RATE AND CONDUCT RADIOACTIVE TRACER SURVEY TO DEMONSTRATE EXTERNAL MECHANICAL INTEGRITY ACROSS TOP OF LOWER CONFINING ZONE AT 1960'.
- 6. RELEASE TOOLS, RESET RBP AT ~1700', RESET PACKER AT ~1450'. BREAK DOWN PERFORATIONS, ESTABLISH INJECTION RATE AND CONDUCT RADIOACTIVE TRACER SURVEY TO DEMONSTRATE EXTERNAL MECHANICAL INTEGRITY ACROSS BASE OF UPPER CONFINING ZONE AT 1632'.

7. IF BEHIND PIPE CHANNELING IS NOT INDICATED, PROCEED TO THE NEXT STEP. IF BEHIND PIPE CHANNELING IS INDICATED ACROSS EITHER CONFINING ZONE, IT WILL BE NECESSARY TO PERFORM REMEDIAL CEMENTING, DRILLING OUT AND ADDITIONAL RADIOACTIVE TRACER SURVEYS. THAT PROCESS WILL BE REPEATED AS NECESSARY UNTIL A SUCCESSFUL DEMONSTRATION OF EXTERNAL MECHANICAL INTEGRITY IS ACHIEVED.

- 8. RELEASE TOOLS AND TOH. TIH AND LAND TUBING AT ~1400'.
- 9. ND BOPE AND NU WH. RDMO.

FURTHER ACTIVITY TO EQUIP THE WELL FOR INJECTION WILL BE CONTINGENT UPON EPA REVIEW AND APPROVAL OF THE EXTERNAL MECHANICAL INTEGRITY DEMONSTRATION.

WELLHEAD EQUIPMENT:

- * Sampling tap located to enable sampling fluid in the injection tubing
- * Sampling tap located to enable sampling fluid in the tubing-casing annulus
- * Pressure gauge isolated by 1/2" FIP shut-off valve or quick-connect and located to enable reading the pressure on the injection tubing
- * Pressure gauge isolated by 1/2" FIP shut-off valve or quick-connect and located to enable reading the pressure on the tubing-casing annulus
- * Pressure actuated shut-off device located on the injection line, and set to prevent injection operations from exceeding the maximum allowable injection pressure
- * Non-resettable cumulative volume

NBU 921-34K SWD UIC PERMIT APPLICATION

WELL: NBU 821-34K FIELD: NATURAL BUTTES API # 43-047-38389 Q-Q; SEC,: TWS: LEASE #: U-01191-A-ST PROPOSED WELLBORE DIAGRAM KB (n): 5050 GL (n): 5033 CASING RECORD | HOLE (m) | SIZE (m) | V/T (b/h) | GRADE | 20 | 14 | 36.7 | STL | 12 1/4 | 85.6 | 32.5 | H-40 | 12 1/4 | 56.6 | 36. | 1.55 | 77.6 | 41/2 | 11.6 | 189 | TD (IQ: 9650 PBTD (II): 9473 BTM (ft) CMT (SXS) 2106 2538 9850 Surf Cxg. Top Job. 0 184' by calculation Ong Prod Cag TOC @ 220' by CBL Est. Surf. Csg. Land Cument. TUBING RECORD 184-1801 | SIZE (err) | WI (b)(ft) | GRADE | 1QP (ft) | BTAS (ft) | 2 3/8 | 4.7 | 1-90 | 0 | 1015 | -4.5 | Packer | 1820 | Base of USDWs < 1632 Top of Green River @ 1497*
Upper Confising Zone,
1497-1632*
Top of Bird's Nest @1632*
Injection Zone, शब्द BIROS HEST PERFORATIONS 1832-1960 Lower Confing Zone, 80170M 1665 1714 1810 1870 1911 1846 1960-2042 1700 1700 1839 Top of Michogany & 7274" Est Sort. Cag. Tad Cornent. 1801-2538 12 174" Hole · · · 9 5/8" cag @ 2536"

CNYY: UNTAH

STATE: UTAH

PLUG #2, 3282-3400" CIBP @ 3400 WITH 11 SX OR 13 CIJET CLASS G CEMENT ON TOP (138 N)

PLUG \$1, 4672-5020* CIBP @ 5020* WITH 28 SX DR 32 CUFT CLASS & CEMENT ON TOP (348 h)

ORIGINAL PERFORATION RECORD

SPF DATE SHOT 4 06/13/26 4 06/13/26 STATUS Evoluted Worsten Wassich Wassich Wassich 5048 5052 8340 0555 6648 7298 7330 7595 7763 7868 7965 5053 5857 8344 6558 6650 7269 7342 7597 7796 7889 7970 Excluded 06/13/06 06/13/06 06/13/06 06/13/06 06/12/08 Excluded Excluded Excluded Wasatch Wasatch Wasatch Excluded Excluded Excluded 05/12/05 05/12/04 05/12/05 05/12/05 05/12/05 05/12/05 06/12/05 idesa Vordo Mesa Vordo Mesa Verda Masa Varda Masa Verda Excluded Masa Verda babusas 8372 9559 8604 9938 8917 8097 0180 9359 Excludan Mase Vorde Mase Verde Mase Verde Mase Verde 06/12/06 06/12/06 06/09/08 08/09/08 Excluded Exciteded Exchided Excluded Excluded

NBU921-34K proposed GHF

Base of USDIV's, 3333" MD

Top of Western & 4762

Wasalch Ports

5048' Euoligh 7342' d

Mosa Varda Ports.

7595' through 9342'

7 7/8° Hole PBTD @ 9473' 4 1/2" ckg @ 9650....

Top of Masa Verdo @ 7500

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DEFAR INIENT OF NATORAL RESOURCES		
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-AST	
SUNDRY NOTICES AND REPORTS ON W	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-ho drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such p	7. UNIT or CA AGREEMENT NAME: 891008900A	
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: NBU 921-34K	
2. NAME OF OPERATOR:	9. API NUMBER:	
KERR McGEE OIL & GAS ONSHORE LP 3. ADDRESS OF OPERATOR:	PHONE NUMBER:	4304736389 10. FIELD AND POOL, OR WILDCAT:
1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078	(435) 781-7024	NATURAL BUTTES
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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 34 9S 21E		STATE: UTAH
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TYPE OF SUBMISSION	TYPE OF ACTION	
✓ NOTICE OF INTENT ☐ ACIDIZE ☐ DEEF	PEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	CTURE TREAT	SIDETRACK TO REPAIR WELL
	CONSTRUCTION	TEMPORARILY ABANDON
	RATOR CHANGE	TUBING REPAIR
	S AND ABANDON	✓ VENT OR FLARE ✓ WATER DISPOSAL
(Submit Original Form Only)	BACK DUCTION (START/RESUME)	WATER DISPOSAL WATER SHUT-OFF
Date of work completion:	LAMATION OF WELL SITE	OTHER:
	OMPLETE - DIFFERENT FORMATION	
KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO DO SUBJECT WELL TO AN INJECTION WELL PER THE EPA PERM PLEASE SEE ATTACHED.	IT NUMBER UT21147-0	COPY SENT TO OPERATOR Date: # 26 2008 Initials: KS
NAME (DI FASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY	ANALYST
NAIME (PLEASE PRINT)	44/7/2009	
SIGNATURE () WAY ONLY WY	DATE 11/7/2008	
(This space for State use only) APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING	RI	ECEIVED
DATE: 11/25/08	N	OV 1 2 2008
(5/2000) BY: (See Instructions on Re	everse Side)	
# Augttz Should be extended uprol to 150 late the Base of the Aurach ** Call Dave Hackford @ 435.727	aute Creek medil OF 2.7589 Prior to pl	OIL, GAS & MINING Ing back

APPENDIX A

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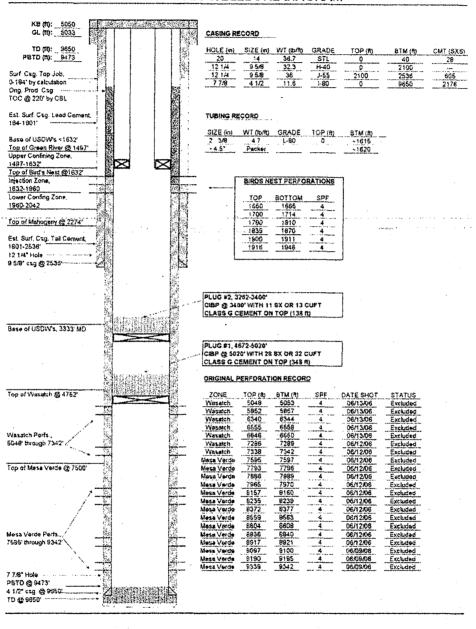
WELLHEAD EQUIPMENT:

- * Sampling tap located to enable sampling fluid in the injection tubing
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- * Non-resettable cumulative volume

NBU 921-34K SWD UIC PERMIT APPLICATION

WELL: NBU 921-34K CNTY: UINTAH FT.: 2543*FSL 2274*FWL
FIELD: NATURAL BUTTES STATE: UTAH Q-Q: NESW
API # 43-047-36359 SEC.: 34
LEASE #; U-01194-4-6T FWS: 95
EPA PERMIT #: RGE: 21E

PROPOSED WELLBORE DIAGRAM



NBU921-34K proposed.GIF



Kerr McGee Oil and Gas Onshore LP 1368 South 1200 East • Vernal, UT 84078 435-789-4433 • Fax 435-781-7094

November 10, 2008

43 047 36389 NBU 921-34K 95 ZIE 34

Mr. Dustin K. Doucet Division of Oil, Gas and Mining

RE: Extended Shut-In and Temporarily Abandoned Wells

Greater Natural Buttes Area

Dear Mr. Doucet:

Our plan of action for wells cited in your October 1, 2008, letter regarding SI and TA wells is attached. We plan to plug, recomplete or workover every well on the list during the next six months. We will positively establish casing mechanical integrity at that time. In particular, the EPA has requested an expanded Area of Review for the UIC permits we have either received or are preparing. We have to have a plan for a large number of wells in the bottom tier of sections in Township 9S-21E. **These are shown in bold font.**

We have not enclosed all of the data requested in light of the fact that we plan to mobilize on these wells in the near future. If you still require that data, please let us know and we will commence gathering it.

Sincerely,

Ramey Hoones

RECEIVED

NOV 1 2 2008

DIV. OF OIL, GAS & MINING

1	CIGE 5	43-047-30335
2	CIGE 54D	43-047-30851
3	CIGE 80D	43-047-30853
4	CIGE 51D	43-047-30889
5	NBU 54N	43-047-30890
6	CIGE 92D	43-047-31162
7	NBU 213-36J	43-047-31268
8	ARCHY BENCH STATE 1-2	43-047-31489
9	CIGE 97D	43-047-31729
10	NBU 157	43-047-32007
11	NBU 343-36E	43-047-32205
12	NBU 265	43-047-32796
13	MORGAN STATE 12-36	43-047-32814
14	WONSITS STATE 1-32	43-047-32820
15	NBU 333	43-047-33641
16	NBU 389	43-047-34229
17	STATE 921-32P	43-047-34422
18	STATE 920-36P	43-047-34423
19	NBU 440	43-047-34785
20	NBU 442	43-047-34788
21	CIGE 284	43-047-34792
22	CIGE 285	43-047-34793
23	STATE 920-36O	43-047-35788
24	NBU 1022-16G	. 43-047-35948
25	NBU 1022-16B	43-047-36158
26	NBU 921-34K	43-047-36389
27	BONANZA 1023-16J	43-047-37092
28	NBU 921-34J	43-047-37953

RECEIVED NOV 1 2 2008

DIV. OF OIL, GAS & MINING

CATEGORY 3 - STATE OR FEE SHUT IN WELL LIST

CATEGORI 3 - STATE OF	CEE SHUT IN WELL LIST		
	가 된다는 보고 하기 되는 것이 되는 것을 가고 밝혔다. 그 그 보고 사용을 통해 그렇게 하는 것이 되고 있다. 그렇게 되었습니다.	POA	- 명한 제품 프로그램 프로그램 - 그림은 하고 그렇게 하고 있다. 그리고 있는 것은 그는 그는 그는 그는 그는 그를 보는 것이다. 그는 그리고 있는 것
Well	Reason for SI/TA	Timing	Comments & Reasoning for POA
Archy Bench State 1-2	Wellbore integrity issues & poor production	Q2 2009	Refrac & recomplete potential exists in well. Work will be done to establish production.
Wonsits State 1-32	Not completed in best existing quality pay	Q1 2009	Recomplete potential exists in well. Work will be done ro establish production.
State 920-36P	High water producer with very little gas prodution	Q2 2009	Review of new drills within section & water shut off work needed to determine potential. Water shut off or P&A will be recommended.
State 920-360	High water producer with very little gas prodution	Q2 2009	Review of new drills within section & water shut off work needed to determine potential. Water shut off or P&A will be recommended.
NBU 1022-16G	High water producer with very little gas prodution	0	Should not be classified as SI as a WSO was performed & production was established in May of 2008. Current rates of 155 mcfd & 69 bwpd.
NBU 1022-16B	High water producer with very little gas prodution	0	Should not be classified as SI as a WSO was performed & production was established in May of 2008. Current rates of 155 mcfd & 69 bwpd.
NBU 213-36J			EOG operated well.
NBU 343-36E			EOG operated well.
BONANZA 1023-16J	Permits being prepared for additional wells		Surface casing set, preparing additional APD's to use location as a multi-well pad. This well will be drilled with the others.
CIGE 5	1.4 Bcf Tw Cum. Twinned in 2007.		Can P&A.
CIGE BOD	0.4 Bcf Tw Cum. Low gas production.		Potential for Clean out and RTP.
CIGE 51D	1.0 Bcf Tw Cum. Twinned in 2007.		Can P&A.
NBU 54N	1.4 Bcf Tw Cum. Twinned in 2007.		Can P&A.
CIGE 92D	1.6 Bcf Tw Cum.	Q1 2009	Will review for bypassed pay. Prob depleted and can P&A.
CIGE 97D	0.4 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
NBU 157	0.5 Bcf Tw Cum. Twinned in 2007.		Can P&A.
NBU 265	0.05 Bcf Tw. Refraced in 2007.		High risk RC cand: 1.7 Bcf Offset. BBXG prob beter RC candidate. Therefore P&A.
NBU 333	0.09 Bcf W/TM. RC Candidate.		Reviewed 11-06 by kfm (me). Time to RC.
NBU 389	0.07 Bcf Tw Cum. RC Candidate.		2002 Vintage. Review for RC.
CIGE 54D	0.95 Bcf Tw Cum. SI in 2006.	Q4 2008	Will review for RC potential. Within EPA requested Area of Review.
MORGAN STATE 12-36	0.09 Bcf W/TM.		Note comm w 41J, 2.7 Bcf well. Prob fraced into in 1997. High risk RC. P&A. Within EPA requested Area of Review.
STATE 921-32P	0.1 Bcf W/TM/MM. High water producer.	Q1 2009	Pkr below Mid Tw prod log, unsuccessful water shut off. Try pkr at Top of Kmv. Wihin EPA requested Area of Review.
NBU 440	0.01 Bcf W/TM/MM. High water producer.	Q1 2009	Attempt to set pkr at top of Kmv and produce.
CIGE 285	0.1 Bcf. W/TM/MM. High water producer.	Q1 2009	Attempt to set pkr at top of Kmv and produce.
NBU 442		Q42008	UIC permit application being prepared.
CIGE 284		Q1 2009	Within EPA requested Area of Review.
CIGE 285		Q1 2009	Within EPA requested Area of Review.
NBU 921-34K			Mobilizing to convert well to injection.
NBU 921-34J		Q1 2009	Test Green River. UIC candidate. Within EPA requested Area of Review.



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA Division Director

December 23, 2008 January 27, 2009 - re-mailed

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6633 (returned unclaimed) CERTIFIED MAIL NO.: 7004 2510 0004 1824 6695

Ms. Ramey Hoopes Kerr McGee Oil and Gas 1368 South 1200 East Vernal, UT 84078

SUBJECT: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated September 23, 2008

Dear Ms. Hoopes:

The Division of Oil, Gas and Mining (Division) is in receipt of your letter dated November 10, 2008 (received by the Division on November 12, 2008) in regards to the twentyeight (28) shut-in or temporarily abandoned (SI/TA) wells operated by Kerr McGee Oil and Gas (Kerr McGee). It is the Divisions understanding that Kerr McGee plans to plug, recomplete or workover every well on Attachment A during the next six months.

Based on the submitted information and plan to bring the listed wells out of noncompliance status within a six month period the Division grants extended SI/TA status for the wells listed on Attachment A until September 1, 2009, allowing adequate time to perform the proposed work.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281

Petroleum Engineer

DKD/JP/is Enclosure

cc: Jim Davis, SITLA

Operator Compliance File

Well File

N:\O&G Reviewed Docs\Chron file\Petroleum Engineer\SITA\20081212 KerrMcGee SITA response.doc



ATTACHMENT A

	Well Name	API	Lease Type	Location	Years Inactive
1	CIGE 5	43-047-30335	STATE	NWSE Sec 31-09S-22E	1 Year 4 Months
2	CIGE 54D	43-047-30851	ML-22582	NENE Sec 35-09S-21E	2 Years 4 Months
3	CIGE 80D	43-047-30853	ML-22652	NWNW Sec 02-10S-21E	1 Year
4	CIGE 51D	43-047-30889	STATE	NENE Sec 31-09S-22E	1 Year 3 Months
5	NBU 54N	43-047-30890	ML-22649	NESW Sec 32-09S-22E	1 Year 3 Months
6	CIGE 92D	43-047-31162	STATE	SENW Sec 13-10S-20E	1 Year
7	NBU 213-36J	43-047-31268	ML-22650	NENE Sec 36-09S-22E	1 Year 1 Month
8	ARCHY BENCH STATE 1-2	43-047-31489	ML-22348-A	NENE Sec 02-11S-22E	1 Year 10 Months
9	CIGE 97D	43-047-31729	STATE	SESE Sec 31-09S-22E	1 Year 7 Months
10	NBU 157	43-047-32007	ML-22649	SESW Sec 32-09S-22E	1 Year 3 Months
11	NBU 343-36E	43-047-32205	ML-22650	SENW Sec 36-09S-22E	1 Year 7 Months
12	NBU 265	43-047-32796	ML-13826	NESE Sec 02-10S-21E	1 Year 2 Months
13	MORGAN STATE 12-36	43-047-32814	ML-22265	NESE Sec 36-09S-21E	1 Year
14	WONSITS STATE 1-32	43-047-32820	ML-47780	SWNE Sec 32-07S-22E	4 Years
15	NBU 333	43-047-33641	ML-23608	SWSW Sec 13-10S-21E	1 Year 6 Months
16	NBU 389	43-047-34229	ML-21329	NENE Sec 28-10S-21E	1 year 4 Months
17	STATE 921-32P	43-047-34422	ML-48758	SESE Sec 32-09S-21E	1 Year 5 Months
18	STATE 920-36P	43-047-34423	ML-48757	SESE Sec 36-09S-20E	2 years 9 Months
19	NBU 440	43-047-34785	STATE	SWNW Sec 34-09S-21E	1 Year 4 Months
20	NBU 442	43-047-34788	STATE	NWSW Sec 35-09S-21E	2 Years 8 Months
21	CIGE 284	43-047-34792	ML-23612	SWNW Sec 01-10S-21E	1 Year 2 Months
22	CIGE 285	43-047-34793	ML-22652	NENE Sec 02-10S-21E	1 Year 8 Months
23	STATE 920-36O	43-047-35788	ML-48757	SWSE Sec 36-09S-20E	1 Year 8 Months
24	NBU 1022-16G	43-047-35948	ML-3276	SWNE Sec 16-10S-22E	1 Year 2 Months
25	NBU 1022-16B	43-047-36158	ML-3276	NWNE Sec 16-10S-22E	1 Year 3 Months
26	NBU 921-34K	43-047-36389	STATE	NESW Sec 34-09S-21E	1 Year 2 Months
27	BONANZA 1023-16J	43-047-37092	ML-22186-A	NWSE Sec 16-10S-23E	1 Year 4 Months
28	NBU 921-34J	43-047-37953	STATE	NWSE Sec 34-09S-21E	1 Year



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

December 23, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6633

Ms. Ramey Hoopes Kerr McGee Oil and Gas 1368 South 1200 East Vernal, UT 84078 43 047 36389 NBU 921-34K 95 21E 34

SUBJECT:

Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

dated September 23, 2008

Dear Ms. Hoopes:

The Division of Oil, Gas and Mining (Division) is in receipt of your letter dated November 10, 2008 (received by the Division on November 12, 2008) in regards to the twenty-eight (28) shut-in or temporarily abandoned (SI/TA) wells operated by Kerr McGee Oil and Gas (Kerr McGee). It is the Divisions understanding that Kerr McGee plans to plug, recomplete or workover every well on Attachment A during the next six months.

Based on the submitted information and plan to bring the listed wells out of non-compliance status within a six month period the Division grants extended SI/TA status for the wells listed on Attachment A until September 1, 2009, allowing adequate time to perform the proposed work.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281

Sincerely,

Petroleum Engineer

DKD/JP/js Enclosure

cc: Jim Davis, SITLA

Operator Compliance File

Well File

N:\O&G Reviewed Docs\Chron file\Petroleum Engineer\SITA\20081212 KerrMcGee SITA response.doc



ATTACHMENT A

	Well Name	API	Lease Type	Location	Years Inactive
1	CIGE 5	43-047-30335	STATE	NWSE Sec 31-09S-22E	1 Year 4 Months
2	CIGE 54D	43-047-30851	ML-22582	NENE Sec 35-09S-21E	2 Years 4 Months
3	CIGE 80D	43-047-30853	ML-22652	NWNW Sec 02-10S-21E	1 Year
4	CIGE 51D	43-047-30889	STATE	NENE Sec 31-09S-22E	1 Year 3 Months
5	NBU 54N	43-047-30890	ML-22649	NESW Sec 32-09S-22E	1 Year 3 Months
6	CIGE 92D	43-047-31162	STATE	SENW Sec 13-10S-20E	1 Year
7	NBU 213-36J	43-047-31268	ML-22650	NENE Sec 36-09S-22E	1 Year 1 Month
8	ARCHY BENCH STATE 1-2	43-047-31489	ML-22348-A	NENE Sec 02-11S-22E	1 Year 10 Months
9	CIGE 97D	43-047-31729	STATE	SESE Sec 31-09S-22E	1 Year 7 Months
10	NBU 157	43-047-32007	ML-22649	SESW Sec 32-09S-22E	1 Year 3 Months
11	NBU 343-36E	43-047-32205	ML-22650	SENW Sec 36-09S-22E	1 Year 7 Months
12	NBU 265	43-047-32796	ML-13826	NESE Sec 02-10S-21E	1 Year 2 Months
13	MORGAN STATE 12-36	43-047-32814	ML-22265	NESE Sec 36-09S-21E	1 Year
14	WONSITS STATE 1-32	43-047-32820	ML-47780	SWNE Sec 32-07S-22E	4 Years
15	NBU 333	43-047-33641	ML-23608	SWSW Sec 13-10S-21E	1 Year 6 Months
16	NBU 389	43-047-34229	ML-21329	NENE Sec 28-10S-21E	1 year 4 Months
17	STATE 921-32P	43-047-34422	ML-48758	SESE Sec 32-09S-21E	1 Year 5 Months
18	STATE 920-36P	43-047-34423	ML-48757	SESE Sec 36-09S-20E	2 years 9 Months
19	NBU 440	43-047-34785	STATE	SWNW Sec 34-09S-21E	1 Year 4 Months
20	NBU 442	43-047-34788	STATE	NWSW Sec 35-09S-21E	2 Years 8 Months
21	CIGE 284	43-047-34792	ML-23612	SWNW Sec 01-10S-21E	1 Year 2 Months
22	CIGE 285	43-047-34793	ML-22652	NENE Sec 02-10S-21E	1 Year 8 Months
23	STATE 920-36O	43-047-35788	ML-48757	SWSE Sec 36-09S-20E	1 Year 8 Months
24	NBU 1022-16G	43-047-35948	ML-3276	SWNE Sec 16-10S-22E	1 Year 2 Months
25	NBU 1022-16B	43-047-36158	ML-3276	NWNE Sec 16-10S-22E	1 Year 3 Months
26	NBU 921-34K	43-047-36389	STATE	NESW Sec 34-09S-21E	1 Year 2 Months
27	BONANZA 1023-16J	43-047-37092	ML-22186-A	NWSE Sec 16-10S-23E	1 Year 4 Months
28	NBU 921-34J	43-047-37953	STATE	NWSE Sec 34-09S-21E	1 Year



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

JAN 28 2009

Ref: 8P-W-GW

<u>CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

Grizz Oleen Staff Environmental Analyst Kerr McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Accepted by the Utah Division of OII, Gas and Mining FOR RECORD ONLY

RE: 180-Day Limited Authorization to Inject

NBU 921-34K SWD Well EPA Permit No. UT21147-07825 Uintah County, UT API #43-047-36389

95 21E

34

Dear Mr. Oleen:

The Kerr McGee Oil & Gas Onshore, LP letter with attached information was received by the Environmental Protection Agency (EPA), Region 8, on January 21, 2009. The submittal partially completed the **Prior to Commencing Injection** requirements for Final Class II Underground Injection Control Permit UT21147-07825, effective October 3, 2008. The Completion Report (EPA Form No. 7520-10) and schematic diagram were reviewed and approved by EPA on January 27, 2009.

As of the date of this letter, Kerr McGee is authorized to commence injection into NBU 921-34K at a maximum allowable injection pressure (MAIP) of **300** psig for a period of 180 days.

Because the cement bond log submitted for this well did not show an adequate interval of 80% or greater bond index through the confining zone above the injection zone, Kerr McGee is required to demonstrate Part II (External) Mechanical Integrity (Part II MI) within a 180-day period from the date that injection begins. See Appendix B-1 of the permit for required tests that shall be completed within the 180-day period, prior to receiving approval to continue injection beyond the 180-day period. This 180-day period allows time for injection zone pressure to elevate prior to demonstrating Part II MI, which is necessary because it may be underpressured from previous oil production, and the Part II MI tests rely on elevated formation pressure.

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Kerr McGee must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. Please note that the maximum pressure used during the Part II MI test may become the new MAIP because Part II MI was demonstrated at that pressure. Therefore, it may be advantageous to run a step rate test prior to conducting the Part II MI test. Should Kerr McGee apply for an increase to the MAIP at a later date, the demonstration of Part II MI must also be conducted at that time.

Please remember that it is Kerr McGee's responsibility to be aware of and to comply with all conditions of Permit W621147-07825 for the NBU 921-34K injection well.

If you have queston regarding the above action, please call Bruce Suchomel at 303-312-6001 or 1-800-227-8917, ext. 312-6001. Results from the Part II MI test should be mailed directly to the attention of Bruce Suchomel, at the letterhead address citing Mail Code: 8P-W-GW very prominently.

Sincerely.

- - | | - |

Eddie A. Sierra

Acting Assistant Regional Administrator Office of Partnerships and Regulatory Assistance

cc:

Gil Hunt, Utah Division of Oil, Gas, and Mining Matt Baker, Fluid Minerals Engineering Office, Bureau of Land Management Robin Hansen, Fluid Minerals Engineering Office, Bureau of Land Management Stan Perkes, Solid Minerals Office, Bureau of Land Management Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman Ronald Groves, Councilman Irene Cuch, Vice Chairwoman Steven Cesspooch, Councilman Phillip Chimbraus, Councilman Frances Poowegup, Councilwoman

Larry Love, Director of Energy & Minerals Dept., Ute Indian Tribe Daniel Picard, BIA – Uintah & Ouray Indian Agency Ferron Secakuku, Director, Natural Resources



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

Ref: 8P-W-GW

AUG 2 8 2009

<u>CERTIFIED MAIL</u> <u>RETURN RECEIPT REQUESTED</u> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

Grizz Oleen Staff Environmental Analyst Kerr McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078

RE: Underground Injection Control (UIC)
60-Day Authorization to Inject Extension

Well: NBU 921-34K SWD

EPA Permit No.: UT21147-07825

Uintah County, UT API No.: 43-047-36389

95 21E 34

Dear Mr. Oleen:

The Kerr McGee Oil & Gas Onshore, LP email with attached information regarding step rate test analysis of NBU 921-34K SWD was received by the Environmental Protection Agency (EPA), Region 8, on June 30, 2009. The submittal is currently being reviewed. A 60-Day extension to the original 180-Day and additional 30-Day Limited Authorization to Inject is authorized.

As of the date of this letter, Kerr McGee Oil & Gas Onshore, LP is authorized to continue injection into NBU 921-34K SWD well at a **Maximum Allowable Injection Pressure (MAIP)** of 300 psig for 60 days.

Kerr McGee Oil & Gas Onshore, LP must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP. Please remember that it is Kerr McGee Oil & Gas Onshore, LP's responsibility to be aware of and to comply with all conditions of Permit UT21147-07825 for the NBU 921-34K SWD injection well.

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DIV. OF OIL, GAS & MINING

If you have questions regarding the above action, please call Tricia Pfeiffer at 303-312-6271 or 1-800-227-8917, ext. 312-6271. Results of the RTS should be mailed directly to the attention of Tricia Pfeiffer, at the letterhead address citing **Mail Code: 8P-W-GW**.

Sincerely,

COSHITU L

Stephen S. Tuber

Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee
The Honorable Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku Director, Natural Resources Ute Indian Tribe

Larry Love Director of Energy & Minerals Dept. Ute Indian Tribe

Gil Hunt, Associate Director Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office BLM - Vernal Office



Kerr-McGee Oil & Gas Onshore LP

1368 South 1200 East Vernal Utah 84078 Telephone: 435-781-7024 Fax: 720-929-3616

August 26, 2009

Dustin Doucet State of Utah 1594 West North Temple, Suite 1210, PO Box 145801 Salt Lake City, UT 84114

Moule

43 047 36389 NBU 921 - 34 K 95 ZIE 34

SUBJECT: Response to Letter Regarding Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated September 23, 2008

Dear Mr. Doucet:

Kerr McGee Oil and Gas (Kerr McGee) is responding to the Division of Oil, Gas and Mining's request to bring the listed wells out of non-compliance status by September 1, 2009. See Attachment A for the list of wells and our plan for each well. All wells will either be plugged, recompleted, converted to SWD monitor wells, or have been returned to production.

Kerr McGee will be providing sundry notices and procedures within 60 days from this notice. If you have any questions or need additional information in regards to the above please contact Paul Wages at (435) 781 - 7037.

Sincerely,

Sheila Wopsock Regulatory Analyst

Enclosure

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AUG 3 1 2009

ATTACHMENT A

Well Name	API	Plan
CIGE 5	4304730335	P&A
CIGE 54D	4304730851	Already TA'd for SWD monitor well
CIGE 80D	4304730853	TA – Monitor Well
CIGE 51D	4304730889	P&A
NBU 54N	4304730890	P&A
CIGE 92D	4304731162	P&A
NBU 213-36J	4304731268	EOG Well
ARCHY BENCH STATE 1-2	4304731489	P&A
CIGE 97D	4304731729	P&A
NBU 157	4304732007	P&A
NBU 343-36E	4304732205	EOG Well
NBU 265	4304732796	P&A
MORGAN STATE 12-36	4304732814	P&A
WONSITS STATE 1-32	4304732820	P&A
NBU 333	4304733641	P&A
NBU 389	4304734229	P&A
STATE 921-32P	4304734422	TA for future SWD monitor well or
STATE 920-36P	4304734423	P&A
NBU 440	4304734785	TA – Monitor Well
NBU 442	4304734788	P&A
CIGE 284	4304734792	Has been returned to production
CIGE 285	4304734793	P&A
STATE 920-36O	4304735788	P&A
NBU 1022-16G	4304735948	Currently producing
NBU 1022-16B	4304736158	Currently producing
NBU 921-34K	4304736389	Already converted to SWD Well
BONANZA 1023-16J	4304737092	Has surface hole only, extend TA status to keep for future pad location
NBU 921-34J	4304737953	Extend TA status to evaluate for

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			FORM O
	STATE OF UTAH		FORM 9
	es IING	5.LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-AST	
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposition-hole depth, reenter plu DRILL form for such proposals.	existing wells below current se APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: NBU 921-34K
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSI	HORE, L.P.		9. API NUMBER: 43047363890000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th S	treet, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2543 FSL 2274 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 34	P, RANGE, MERIDIAN: Township: 09.0S Range: 21.0E Meridian:	5	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
☐ NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
✓ SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	□ NEW CONSTRUCTION
Date of Work Completion: 6/5/2009	OPERATOR CHANGE	PLUG AND ABANDON	□ PLUG BACK
, ,			_
SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
DRILLING REPORT	TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all per	tinent details including dates, depths, v	olumes, etc.
location to a SWD authorization to inject	pperator performed the work to well. In accordance with the least, dated 01/28/2009. The sub- crew on 06/05/2009. Please of chronological well history	EPA 180-day limited to A ject well was turned over refer to the attached Oil	
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst	
SIGNATURE N/A		DATE 10/7/2009	

US ROCKIES REGION Operation Summary Report

Well: NBU 921-34K SWD Spud Date: 5/18/2006

Project: UTAH-UINTAH Site: NBU 921-34K SWD Rig Name No: SWABBCO 1/1

Event: RE ENTER Start Date: 11/20/2008 End Date: 2/13/2009

Active Datum: RKB @5,048.99ft (above Mean Sea UWI: NBU 921-34K

Level)								The state of the s
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/19/2008	12:30 - 17:30	5.00	MIRU	07		Р		RRTL & ALL EQUIPMENT. SPOT IN RIG UP. GUY OUT. UNLOAD BOP @ WELL HEAD SDFN.
11/20/2008	7:00 - 17:03	10.05	WO/REP	07		P		HSM LAY ALL HARD LINE CHECK PRESSURES 4400/3400 PSI OPEN CSG TO TANK FLUID HIT @ 250 PSI INCREASED TO 1500 PSI IN 10 MIN OPEN TBG TO TANK FLUID HIT @ 1200 PSI CSG & TBG OPEN TOGETHER @ 10:00 AM FLOWING @ 1500 PSI ON 48/64 CHOKE @ 3"00 PM WELL FLOWIN @ 1000 PSI ON OPEN CHOKE RECOVERED 660 BBLS AVE 90 BBLS PER HR @ 5:30 PM WELL FLOWING @ 700 PSI TURN WELL OVER TO FLOW BACK CREW SDFN
11/21/2008	7:00 - 13:30	6.50	WO/REP	07		Р		HSM WELL FLOWING @ 250 PSI KILL WELL WITH 140 BBLS 10# BRINE NDWH NUBOP UNLTBG TOH 158 JNTS = 5000' LD 49 JNTS ON TRAILER WELL STARTING TO FLOW ATTEMPT TO KILL WITH NO LUCK WELL FLOWING @ 450 PSI 60 JNTS LEFT IN WELL CHAIN & BOOMER TBG DOWN TO BOP TURN WELL OVER TO FLOW BACK FOR WEEKEND SDFN
11/24/2008	7:00 - 15:00	8.00	WO/REP	07		Р		HSM. WELL FLOWING @ 120 PSI, RECOVERED 4940 BBLS TOTAL. KILL WELL. TOH 29 STANDS. WAIT ON WIRE LINE R/U WIRE LINE. RIH SET 10K CIBP @ 5020'. POOH & R/D WIRE LINE. TIH 29 STANDS LAY DOWN 58 JNTS. TIH 158 JNTS TO 5000'. TEST CSG TO 1000 PSI, GOOD TEST. TOH 4 STANDS TO KEEP WELL HEAD FROM FREEZING. SWI SDFN.
11/25/2008	7:00 - 13:30	6.50	WO/REP	07		P		HSM TIH 4 STANDS 158 JNTS EOT @ 5000'. R/U CEMENTERS P/28 SKS = 350' PLUG. TOP OF CEMENT @ 4650'. TOH 53 STANDS LD 52 JNTS. TIH 4 1/2 CEMENT RETAINER & 106 JNTS SET RETAINER @ 3370'. STING OUT PUMP 15 SKS = 200' PLUG. TOP OF CEMENT @ 3170'. TOH 12 STANDS TO 2605'. PUMP 10 SKS OVER SHOE = 130' PLUG. TOP OF CEMENT @ 2475'. TOH 4 STANDS CIRC HOLE CLEAN. TOH 17 STANDS = 66 JNTS IN DERRICK. LD 16 JNTS SWI SDFN.

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US ROCKIES REGION

Operation Summary Report Spud Date: 5/18/2006 Well: NBU 921-34K SWD Project: UTAH-UINTAH Site: NBU 921-34K SWD Rig Name No: SWABBCO 1/1 Event: RE ENTER Start Date: 11/20/2008 End Date: 2/13/2009 Active Datum: RKB @5,048.99ft (above Mean Sea UWI: NBU 921-34K Level) Date Time Duration Phase Code Sub P/U MD From Operation Start-End (hr) Code **(ft)** 7:00 - 13:30 D 11/26/2008 WO/REP HSM R/U WIRE LINE CORALATE DEPTHS WITH 6.50 07 LOGS FROM CUTTERS IN 06 PERF 4 SPF @ 1942' & 1652' LOG TO SURFACE R/D WIRE LINE TIH 4 1/2 RBP & PKR WITH 66 JNTS SET RBP @ 2107' TOH 8 JNTS SET PKR @ 1847' BREAK DOWN PERFS @ 1942' @ 2300 PSI INJECTION RATE OF 1.3 BPM @ 1300 PSI IDLE INTO PERFS @ 500 PSI R/U WIRE LINE RIH PERFORM RAT TEST WHILE INJECTING @ 700 PSI = GOOD TEST POOH RELEASE PKR TIH 8 JNTS LATCH & RELEASE RBP TOH 12 JNTS SET RBP @ 1727' TOH 8 JNTS SET PKR @ 1468' BREAK DOWN PERFS @ 1652' @ 3750 PSI VERY TIGHT

2/10/2009 12:00 - 16:00 4.00 WO/REP 07 P 2/11/2009 7:00 - WO/REP 07 P RIH WIRE LINE PERFORM RAT TEST = GOOD TEST POOH R/D WIRE LINE RELEASE PKR TIH 8 JNTS LATCH & RELEASE RBP TOH 66 JNTS & TOOLS TIH 66 JNTS LD 22 JNTS LEAVING 44 JNTS IN WELL TOTAL LENGTH OF TBG =1392.58' LTBG WITH HANGER @ 1410 ' KB NDBOP NUWH RDMO TO THE NBU 921 - 263 RRTL MIRU NDWH NUBOP TOH TBG SWI SDFN HSM R/U WIRELINE RIH PERF WELL IN THREE RUNS AS FOLLOWS WITH 4 SPF: 1650'-1665' = 15' = 60 HOLES 1700'-1714' = 14' = 56 HOLES 1790'-1810' = 20' = 80 HOLES 1839'-1870' = 31' = 124 HOLES 1900'-1911' = 11' = 44 HOLES 1916'-1946' = 30' = 120 HOLES 121' TOTAL @ 4 SPF = 484 HOLES HAD 50' OF FLUID INTAKE BETWEEN RUNS R/D WIRELINE TIH PSN & 61 JNTS TO 1938' R/U SWAB RIH MAKE 1 SWAB RUN TOOK SAMPLES FROM NEXT 4 RUNS 3 SAMPLES FOR TDS

AVERAGE WAS 47,000 PPM = GOOD SAMPLE TOOK LAST SAMPLE OFF RUN # 5 FOR HYDROCARBONS R/D SWAB TOH TIH 4 1/2 SCRAPER & 62 JNTS TO 1970' TOH SWI SDFN

INJECTION RATE OF 1.1 BPM @ 3500 PSI & 1/4 BPM @ 2750 PSI CONTINUE TRYING TO BREAK DOWN PERFS FINAL INJECTION RATE OF 1/4

BPM @ 2500 PSI

10/7/2009 11:05:39AM 2

US ROCKIES REGION

Operation Summary Report

Spud Date: 5/18/2006 Well: NBU 921-34K SWD Rig Name No: SWABBCO 1/1 Site: NBU 921-34K SWD Project: UTAH-UINTAH End Date: 2/13/2009 Event: RE ENTER Start Date: 11/20/2008 UWI: NBU 921-34K

Active Datum: RKB @5 048 99ft (above Mean Sea

Active Datum: RKB @5,048.99ft (above Mean Sea Level)					UWI: NBU 921-34K				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
2/12/2009	7:00 - 12:30	5.50	WO/REP	07		P	The State of	HSM TIH RBP & PKR SET RBP @ 2001' & PKR @ 1993 TEST PLUG TO 500 PSI = GOOD TEST ACIDIZE IN 6 STAGES ISOLATING WITH RBP & PKR AS FOLLOWS:	
								1916'-1946' BREAK FORMATION @ 677 PSI @ 1.1BPM P/600 GAL ACID FLUSH 7.4 BBLS	
								1900'-1911' BREAK FORMATION @ 683 PSI @ 4.3 BPM P/200 GAL ACID FLUSH 7.2 BBLS	
								1839'-1870' BREAK FORMATION @ 642 PSI @ 2 BPM P/600 GAL ACID FLUSH 7 BBLS	
								1790'-1810' BRAK FORMATION @ 961 PSI @ 3.9 BPM P/400 GAL ACID FLUSH 6.7 BBLS	
								1700'-1714' BRAK FORMATION @ 834 PSI @ 4.5 BPM P/500 GAL ACID FLUSH 6.6 BBLS	
								1650'-1665' BREAK FORMATION @ 714 PSI @ 5.1 BPM P/500 GAL ACID FLUSH 6.2 BBLS	
								WELL NEVER WENT ON VACUME BUT WAS DEAD AFTER EACH PUMP TOH TBG & TOOLS SWI SDFN	
2/13/2009	7:00 - 16:00	9.00	WO/REP	07		Р		HSM TIH 60 JNTS TO 1930' R/U SWAB MADE 3 RUNS WELL FLOWING FLOW BACK 80 BBLS TOTAL KILL TBG LD 60 JNTS TIH 4 1/2 ARROW SET 1X PKR, XN NIPPLE, X-OVER SUB, 51 JNTS, TBG NIPPLE LTBG WITH HANGER NDBOP P/20 BBLS PKR FLUID SET PKR @ 1636' IN COMPRESSION WITH 7000# 0N PKR PERFORM 3 MIT TEST @ 1000 PSI FOR 30 MIN ON CSG = ALL GOOD TESTS NUWH P/120 BBLS FLUID IN WELL @ 2 BPM @ 300 SPI STOP PUMPING WELL ON VACUME SWI RDMO SDFN	
3/3/2009	-								
6/5/2009	7:00 - 7:30	0.50	EVALPR	23		Р		JSA-SAFETY MEETING W/ SCHLUMBERGER AND DELSCO,	

US ROCKIES REGION

Operation Summary Report

Spud Date: 5/18/2006 Well: NBU 921-34K SWD Rig Name No: SWABBCO 1/1 Site: NBU 921-34K SWD Project: UTAH-UINTAH Start Date: 11/20/2008 End Date: 2/13/2009 Event: RE ENTER

Active Datum: Level)	RKB @5,048.99ft ((above Mear	Sea	UWI: N	BU 921	-34K		
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
Alle and the second second	7:30 - 16:00	8.50	EVALPR	11	D	Р	***************************************	R/U SCHLUMBERGER AND DLSCO WIRELINE, PRESSURE TEST EQUIPT TO 3000#, WIRELINE RIH W/ TANDOM PRESSURE GAUGE TO 1798', SCHLUMDERGER START PUMPING,
								(STEP #1) 0.75 B/M, STARTING PRESSURE 42#, 10 MIN = 97#, 20 MIN = 119#, 30 MIN = 143#, 40 MIN = 149#, 50 MIN = 155#, 60 MIN = 163#,
								(STEP #2) 1.5 B/M, START PRESSURE = 293#, 10 MIN = 319#, 20 MIN = 325#, 30 MIN = 320#, 40 MIN = 320#, 50 MIN = 321#, 60 MIN = 318#,
								(STEP #3) 3 B/M, START PRESSURE = 659#, 10 MIN = 669#, 20 MIN = 668#, 30 MIN = 667#, 40 MIN = 671#, 50 MIN = 669 #, 60 MIN = 675 #,
								(STEP #4) 6 B/M, START PRESSURE = 1633 #, 10 MIN = 1576 #, 20 MIN = 1552 #, 30 MIN = 1569#, 40 MIN = #, 50 MIN = #, 60 MIN = #,
								(STEP #5) 9 B/M, START PRESSURE = 2812 #, 10 MIN = 3092#, 20 MIN = 3233#, 30 MIN = 3033#, 40 MIN = 3040 #, 50 MIN = 3042 #, 60 MIN = 3050 #,
								(STEP #6) 12 B/M, START PRESSURE = 4849 #, 10 MIN = 4879#, 20 MIN = 4855#, 30 MIN = 4950#, 40 MIN = 4968 #, 50 MIN = 5007#, 60 MIN = 4986 #,
								(STEP #7) 14.6 B/M, START PRESSURE = 6742#, 10 MIN = 6856#, 20 MIN = 6834#, 30 MIN = 6895#, 40 MIN = 6900 #, 50 MIN = 6929 #, 60 MIN = 6908 #,
								ISIP = 290 #, 5 MIN = 222 #, 10 MIN = 199 #, 15 MIN = 181 #, F.G. = 0.59 ,
				· 				P/O PRESSURE GAUGE, R/D SCHLUMBERGER AND DELSCO WIRELINE. TURN WELL OVER TO INJECTION CREW.